



Nokia Scholarships 2025

Ahmad Ijaz

University of Oulu

Topic: AI-Driven Adaptive Security Architectures for 6G Critical Systems

Grant: 7 500 €

Azarbahram Amirhossein

University of Oulu

Topic: Low-complexity Multi-antenna RF Wireless Power Transfer: Signal Processing and System Design

Grant: 7 500 €

Alexander Bakhtin

University of Oulu

Topic: Network Methods for Mitigating Microservice Architectural Degradation

Grant: 5 000 €

Gloria Dal Santo

Aalto University School of Electrical Engineering

Topic: Machine-Learning-based Artificial Reverberation

Grant: 7 500 €

Carlos de la Torre Ortiz

University of Helsinki

Topic: Guiding Generative Models via Brain-based Perceptual and Semantic Markers

Grant: 7 500 €

Farshad Farahnakian

University of Turku

Topic: Digital Maritime Monitoring: Enhancing Situational Awareness in Shipping Traffic Using AI-based

Models

Grant: 7 500 €

Shayan Gharib

University of Helsinki

Topic: Learning under Shifts: From Distributional Invariance to Structural Adaptation

Grant: 7 500 €

Farjam Karim

University of Oulu

Topic: NGMA for 6G Wireless Networks

Grant: 7 500 €

Mohammad Khalili

University of Oulu

Topic: Network Layer Optimization in Optical Wireless and Radio Frequency Heterogeneous Networks: Multi-Criteria and AI-Driven Approaches

Grant: 7 500 €

Manuel Lage

University of Oulu

Topic: Multimodal Data Fusion for the Analysis of Unobtrusive Human Physiological Signals

Grant: 7 500 €

Mehdi Letafati

University of Oulu

Topic: Applications of Generative AI for Wireless Communications: Towards Efficient and Robust AI-native Systems

Grant: 7 500 €

Jingyi Liao

Aalto University School of Electrical Engineering

Topic: A Low-Power Communication for 3GPP Ambient IoT: Ambient Backscatter Communication using Cellular Signals

Grant: 7 500 €

Maksim Masiukov

Aalto University School of Electrical Engineering

Topic: Quasioptical Measurement Techniques for Characterization of Cryogenically Cooled Devices at 220-330 GHz

Grant: 7 500 €

Zhao Ming

University of Oulu

Topic: In-Network Slice Autonomous Anomaly Detection and Mitigation

Grant: 5 000 €

Mostafa Movahediqomi

Aalto University School of Electrical Engineering

Topic: Multifunctional Metasurfaces for Future Wireless Communication Networks

Grant: 7 500 €

Sanaz Nami

Tampere University

Topic: Perceptually Optimized Video Compression for Efficient Bandwidth Utilization

Grant: 7 500 €

Mohammad Naseritehrani

University of Oulu

Topic: MIMO Coded Caching in Wireless Communication

Grant: 7 500 €

Arttu Paju

Tampere University

Topic: Privacy-preserving Balancing Mechanisms for Safe Online Environment

Grant: 7 500 €

Prasoon Raghuwanshi

University of Oulu

Topic: Efficient Random Access Mechanisms for 6G-IoT

Grant: 7 076 €

Saska Tirronen

Aalto University School of Electrical Engineering

Topic: Improving the Robustness of Speech-based Biomarking of Health in Real-world Conditions Using Deep Learning -based Domain Adaptation

Grant: 7 500 €

Abdullah Tokmak

Aalto University School of Electrical Engineering

Topic: Safe and Resource-aware Multi-agent Learning with Gaussian Processes

Grant: 7 500 €

Marko Tuononen

University of Eastern Finland

Topic: Interpretability and Explainability of Machine Learning Models in the Physical Layer of 6G: Trust and Transparency in AI-Driven Wireless Communication Systems

Grant: 7 500 €

Niklas Vaara

University of Oulu

Topic: Ray Tracing for Radio Channel Characterization with Computer Vision-Based 3D Models

Grant: 7 500 €

Xinjue Wang

Aalto University School of Electrical Engineering

Topic: Advances in Robust Signal Processing and Applications

Grant: 7 500 €

Chao Yang

Aalto University School of Engineering

Topic: Knowledge-Driven Cognitive Manufacturing: Integrating Ontologies, Digital Twins, and Large Language Models for Enhanced Situational Awareness

Grant: 7 500 €

Hanlin Yu

University of Helsinki

Scalable and Geometric Estimation Methods in Machine Learning

Grant: 7 500 €

Yifan Zhang

Aalto University School of Electrical Engineering

Topic: Secure Backscatter Communication and its Applications for Integrated Sensing and Communications Systems

Grant: 5 000 €

Tingting Zhang

Aalto University School of Electrical Engineering

Topic: Transmit Power Allocation Optimization in Sensing and Communications

Grant: 7 500 €

Yangyang Zhao

University of Turku

Topic: Noise-Robust Analysis of Wearable Pulse Waves for Signal Quality and Arrhythmia Detection in Clinical Settings

Grant: 7 500 €

Nokia Scholarships 2024

Milad Abolpour

University of Oulu

Topic: Multi-User Information Retrieval in 6G Networks

Grant: 5 000 €

Mohammadmahdi Asgari

Aalto University School of Electrical Engineering

Topic: Metasurfaces for Future Wireless Communications

Grant: 5 000 €

Jan Bergman

Aalto University School of Electrical Engineering

Topic: Advancements in Antenna Arrays for Frequencies beyond 100 GHz

Grant: 5 000 €

Dian Echevarria Perez

University of Oulu

Topic: Intelligent Resource Allocation Mechanisms for Heterogeneous Networks under Strict QoS Requirements

Grant: 5 000 €

Boyu Fan

University of Helsinki

Topic: Federated Learning in Heterogeneous Systems: From Internet of Things to Foundation Models

Grant: 5 000 €

Kari Hepola

Tampere University

Topic: Automated Design Space Exploration of Application-Specific GPGPUs Using Machine Learning Techniques

Grant: 5 000 €

Pranay Jhunjunwala

Aalto University School of Electrical Engineering

Topic: Methods Improving Software Design Efficiency for Flexible Industrial Automation

Grant: 5 000 €

Yue Jiang

Aalto University School of Electrical Engineering

Topic: Improving Human Capabilities with Intelligent User Interfaces

Grant: 5 000 €

Kianoosh Kazemi

University of Turku

Topic: Digital Health Monitoring: Leveraging Wearable Devices and AI Solutions for Maternity Care

Grant: 5 000 €

Manila Kodali

Aalto University School of Electrical Engineering

Topic: Speech-based Biomarking of Human Health Using Deep Learning

Grant: 5 000 €

Aleksi Korsman

Aalto University School of Electrical Engineering

Topic: RISC-V-based Computing Platforms for Communications

Grant: 5 000 €

Vesa Lampu

Tampere University

Topic: Digital Self-Interference Cancellation Methods in 5G and Beyond STAR Systems

Grant: 5 000 €

Topi Leppänen

Tampere University

Topic: Programming Abstractions for Configurable Heterogeneous Platforms

Grant: 5 000 €

Henrik Lievonen

Aalto University School of Science

Topic: Beyond LCL Problems in the LOCAL Model

Grant: 5 000 €

Yining Liu

Aalto University School of Electrical Engineering

Topic: Inductive Wireless Power Transfer Systems with High Positional Freedom

Grant: 5 000 €

Ananth Mahadevan

University of Helsinki

Topic: Scaling and Maintaining Machine Learning Pipelines

Grant: 5 000 €

Dileepa Marasinghe

University of Oulu

Topic: Learning-Based Techniques for Enhancing Sub-THz Communications

Grant: 5 000 €

Eloi Moliner

Aalto University School of Electrical Engineering

Topic: Generative Models for Audio Restoration

Grant: 5 000 €

Zinelaabidine Nadir

Aalto University School of Electrical Engineering

Topic: On Supporting Immersive Services in 5G and Beyond Mobile Systems

Grant: 5 000 €

Fedor Nigmatulin

Aalto University School of Electrical Engineering

Topic: Low-dimensional Nanostructures for Computing and Communications Technology

Grant: 5 000 €

Riikka Numminen

University of Turku

Topic: Studies in Data Science Method Development

Grant: 5 000 €

Pouyan Rezapoor

Aalto University School of Electrical Engineering

Topic: Millimeter-Wave Imaging with Optimized Galvanometer Scanning System with Telecentric Configuration

Grant: 5 000 €

Kimmo Riihiaho

University of Jyväskylä

Topic: Hyperspectral Simulation of Photosynthesizing Organisms

Grant: 5 000 €

David Ernesto Ruiz Guirola

University of Oulu

Topic: Edge Intelligence for Low-power IoT Connectivity and Operation

Grant: 5 000 €

Kaisa Rynänen

Aalto University School of Electrical Engineering

Topic: Integrated mm-Wave Receiver Front-ends for Communications and Sensing

Grant: 5 000 €

Ossi Räisä

University of Helsinki

Topic: Multiple Differentially Private Synthetic Datasets for Machine Learning and Statistics

Grant: 5 000 €

Saeid Sadeghi Vilni

University of Oulu

Topic: Status Update Control and Analysis for Information Freshness and Semantic Communications

Grant: 5 000 €

Joose Sainio

Tampere University

Topic: Enabling Practical VVC Intra Encoding

Grant: 5 000 €

Albert Salmi

Aalto University School of Electrical Engineering

Topic: Computational Methods for Multi-feed Antenna Analysis and Design

Grant: 5 000 €

Nassim Sehad

Aalto University School of Electrical Engineering

Topic: Novel Human-Computer Interaction: Paving the Way towards the Internet of Senses through 6G

Grant: 5 000 €

Negar Shabanzadeh

University of Oulu

Topic: Developing Analysis Tools and Methods for Power Efficient Minimization of Nonlinear Distortion in Radio Circuits

Grant: 5 000 €

Ville Tanskanen

University of Helsinki

Topic: Latent Signals and Modelling Human Behavior

Grant: 5 000 €

Einari Vaaras

Tampere University

Topic: Efficient Annotation Methods for Clinical Time-series Data Using Self-supervised and Active Learning

Grant: 5 000 €

Prakhar Verma

Aalto University School of Science

Topic: Leveraging Approximate Inference Techniques in Deep Learning

Grant: 5 000 €

Yogesh Verma

Aalto University School of Science

Topic: Physics-inspired Deep Representation Learning

Grant: 5 000 €

Sravan Kumar Reddy Vuyyuru

Aalto University School of Electrical Engineering

Topic: Design and Modeling of Electromagnetics-consistent Reconfigurable Intelligent Surfaces in Next-Generation Wireless Networks

Grant: 5 000 €

Boxuan Xie

Aalto University School of Electrical Engineering

Topic: Backscatter Communication Enabled Sustainable Ambient Internet of Things Solutions

Grant: 5 000 €

Bing Xue

Aalto University School of Electrical Engineering

Topic: Over-The-Air Antenna Test Methods in Future Wireless Systems

Grant: 5 000 €

Nikita Zeulin

Tampere University

Topic: Machine Learning-Based Heterogeneity-Aware Beam Management

Grant: 5 000 €

Wenjun Zhang

University of Helsinki

Topic: Privacy-Preserving and Communication-Efficient Federated Learning for Heterogeneous Data in Urban Opportunistic Crowdsensing

Grant: 5 000 €

Nokia Scholarships 2023

Gizem Akman

University of Helsinki

Topic: Privacy and Mobility Aspects in Authentication and Key Agreement Protocols

Grant: 5 000 €

Shamsul Al Mahmud

Aalto University School of Electrical Engineering

Topic: Towards Free-positioning Self-adaptive Wireless Power Transfer Systems

Grant: 5 000 €

Mohammad Azangoo

Aalto University School of Electrical Engineering

Topic: Automatic Generation of Digital Twins to Accelerate Digitization and Transform Brownfield Process Systems into Industry 4.0-Compliant Digital Plants

Grant: 5 000 €

Waleed Bin Qaim

Tampere University

Topic: Edge-assisted Task Offloading in the Internet of Wearable Things

Grant: 5 000 €

David Blanco Mulero

Aalto University School of Electrical Engineering

Topic: Towards Efficient Robotic Manipulation of Deformable Objects by Learning Representations and Adaptive Policies

Grant: 5 000 €

Paul Chang

Aalto University School of Science

Topic: Dual Parametrization for Approximate Inference

Grant: 4 500 €

Patrick Coe

Tampere University

Topic: Exploration of High Definition and Volumetric Haptics

Grant: 5 000 €

Ricardo Falcon Perez

Aalto University School of Electrical Engineering

Topic: Deep-learning Methods for Spatial Audio and Room Acoustics

Grant: 5 000 €

Leonardo Fierro

Aalto University School of Electrical Engineering

Topic: Transient Processing for Audio Applications

Grant: 5 000 €

Yaroslav Getman

Aalto University School of Electrical Engineering

Topic: Self-supervised Learning in Speech Tasks

Grant: 5 000 €

Reetta Ghezzi

University of Jyväskylä

Topic: Analyzing Best Practices and Viabilities in Public ICT Procurement

Grant: 5 000 €

Pedro Emilio Gória Silva

LUT University

Topic: Semantic-Functional Communications in Cyber-Physical Systems

Grant: 5 000 €

Christoph Hold

Aalto University School of Electrical Engineering

Topic: Parametric Spatial Audio Compression Codec for Higher-Order Ambisonics

Grant: 5 000 €

Md. Ziaul Hoque

University of Oulu

Topic: Staining Resilient Algorithms for Cancer Image Analysis in Digital Pathology

Grant: 5 000 €

Mostafa Jafari Nokandi

University of Oulu

Topic: Analysis, Design, and Implementation of Nonlinear Circuits for THz ICs

Grant: 5 000 €

Farhad Javanmardi

Aalto University School of Electrical Engineering

Topic: Improving the Performance of Automatic Pathological Speech Assessment System Using Advanced Deep Learning Methods

Grant: 5 000 €

Saba Kheirinejad

University of Oulu

Topic: Mobile Health (mHealth) for Self-Management

Grant: 5 000 €

Mounssif Krouka

University of Oulu

Topic: Communication-Efficient Wireless Algorithms and Systems for Edge Artificial Intelligence

Grant: 5 000 €

Joel Mooses Lamberg

Aalto University School of Electrical Engineering

Topic: Cornea Spectroscopy with Metaoptical Terahertz System

Grant: 5 000 €

Rustam Latypov

Aalto University School of Science

Topic: Massively Parallel Graph Algorithms

Grant: 5 000 €

Mengyuan Ma

University of Oulu

Topic: Energy-Efficient Transceiver Designs in Terahertz Communications

Grant: 5 000 €

Mikko Majamaa

University of Jyväskylä

Topic: Enhancing the Performance of Beyond 5G Non-Terrestrial Networks

Grant: 5 000 €

Abanoub Mamdouh Girgis Pipaoy

University of Oulu

Topic: Communication and Control Co-design for Beyond 5G Networks

Grant: 5 000 €

Leatile Marata

University of Oulu

Topic: Advanced Signal Processing Techniques for Machine Type Communications

Grant: 5 000 €

Mehari Meles

Aalto University School of Electrical Engineering

Topic: GPS Denied Drone Localization and Tracking

Grant: 5 000 €

Nils Meyer-Kahlen

Aalto University School of Electrical Engineering

Topic: Transfer-Plausible Acoustics for Augmented Reality Telepresence

Grant: 5 000 €

Katherine Mimnaugh

University of Oulu

Topic: Perceptually Optimized Motion Planning for Immersive Robotic Telepresence

Grant: 2 500 €

Parisa Movahedi

University of Turku

Topic: Privacy-preserving AI for Synthetic and Anonymous Health Data. Case study: Differentially Private

Synthetic Data Generation

Grant: 5 000 €

Petri Niemelä

Aalto University School of Electrical Engineering

Topic: Reliability Solutions for Future Nanosatellites

Grant: 5 000 €

Laura Piispanen

Aalto University School of Science

Topic: Quantum Physics Through Interactive Art

Grant: 5 000 €

Salma Salimi

University of Turku

Topic: Trustable Collaborative Multi-robot Systems with Distributed Ledger Technology

Grant: 5 000 €

Javad Shabanpour

Aalto University School of Electrical Engineering

Topic: Multi-Function Reconfigurable Intelligent Surface Structures for Wireless Networks

Grant: 5 000 €

Aditi Site

Tampere University

Topic: Analysis and Processing of Digital Health Data from Sensors/Wearables Using Machine Learning Algorithms

Grant: 5 000 €

Thushan Sivalingam

University of Oulu

Topic: Learning-based Efficient and Fast Access Methods for Beyond-5G Wireless Communications

Grant: 5 000 €

Paola Cecilia Torrico Morón

University of Turku

Topic: UWB-Based Mesh Connectivity and Collaborative Localization for Large-Scale Heterogeneous Multi-Robot Systems

Grant: 5 000 €

Mohammad Hassan Vali

Aalto University School of Electrical Engineering

Topic: Methods Combining Machine Learning and Vector Quantization, with Application to Speech Processing

Grant: 5 000 €

Panu Viitaharju

Aalto University School of Chemical Engineering

Topic: Virtual Reality Laboratory Education in Chemical Engineering

Grant: 5 000 €

Gautam Vishwanath

Aalto University School of Art, Design and Architecture

Topic: G

Grant: 5 000 €

Nisita Weerasinghe

University of Oulu

Topic: Blockchain-Enabled Service Level Agreement (SLA) Management for Enhanced Trust and Transparency in 5G Network Slicing

Grant: 5 000 €

Anastasia Yastrebova-Castillo

University of Oulu

Topic: LEO Satellite Constellations for Autonomous System Operation in the Arctic Region: Situational Awareness and Communication Aspects

Grant: 3 000 €

Xianjia Yu

University of Turku

Topic: Advancing Security and Intelligence in Collaborative Wireless Multi-Agent Systems via Federated Learning Enhanced Multi-Modal Sensing

Grant: 5 000 €

2022

Elham Abolfazli

Aalto University School of Electrical Engineering

Topic: Control Synthesis in Wireless Networked Control Systems With Application to Vehicle Platooning Affected by Communication Impairments

Grant: 5 000 €

Mohsen Amidzade

Aalto University School of Electrical Engineering

Topic: Collaborative Caching for Wireless Energy Efficiency Networks

Grant: 3 000 €

Muhammad Asad Ullah

University of Oulu

Topic: Machine-Type Connectivity Over Satellite and Non-Terrestrial Networks for Remote Areas
Grant: 5 000 €

Mariangela Baggio

Aalto University School of Electrical Engineering

Topic: Development of THz and Millimeter Wave Techniques for the Early Detection of Corneal Disease
Grant: 5 000 €

Martino Ciaperoni

Aalto University School of Science

Topic: Machine Learning Meets Database Management
Grant: 5 000 €

Xiaoqi Cui

Aalto University School of Electrical Engineering

Topic: Ultra-Miniaturised On-Chip Spectrometers via a Semiconducting Single-Junction
Grant: 5 000 €

Yongchao Dang

Aalto University School of Electrical Engineering

Topic: Machine Learning-Based GPS Spoofing Detection for Cellular-Connected UAVs
Grant: 5 000 €

Endrit Dosti

Aalto University School of Electrical Engineering

Topic: Efficient Optimization Algorithms for Data Analysis
Grant: 5 000 €

Oussama El Marai

Aalto University School of Electrical Engineering

Topic: Improving Live Video Streaming in 5G Networks
Grant: 5 000 €

Eslam Eldeeb

University of Oulu

Topic: Machine Learning for Future Machine-Type Communications
Grant: 4 000 €

Mahmoud Elsanhoury

University of Vaasa

Topic: Towards Precision Positioning for Smart Logistics Using Fusion-Based Ultra Wideband and MIMO-Assisted LEO Satellites Technologies
Grant: 5 000 €

Eugene Frimpong

Tampere University

Topic: Lightweight Cryptography and Privacy in IoT, Mist, and Fog Ecosystem
Grant: 5 000 €

Mikhail Ganzhinov

Aalto University School of Electrical Engineering

Topic: Few-Angular Line-Systems

Grant: 3 000 €

Topi Halme

Aalto University School of Electrical Engineering

Topic: Sequential and Spatial Inference and Learning in Large-Scale Sensor Networks

Grant: 5 000 €

Ramin Hashemi

University of Oulu

Topic: Reconfigurable Intelligent Surface in URLLC Wireless Systems

Grant: 5 000 €

Eric Hyppä

Aalto University School of Science

Topic: Elements of Superconducting Quantum Computers

Grant: 5 000 €

Lucie Klus

Tampere University

Topic: From Compression of Wearable-Based Data to Effortless Indoor Positioning

Grant: 4 851 €

Daniel Krause

Tampere University

Topic: Spatial Audio for Complex Acoustic Scene Analysis

Grant: 5 000 €

Mikko Laakso

Aalto University School of Electrical Engineering

Topic: Mitigating the LED Nonlinearity in Visible Light Communication for High PAPR Modulation

Grant: 5 000 €

Yushan Siriwardhana

University of Oulu

Topic: Robust and Resilient Distributed AI-Based Intrusion Detection for 5G and Beyond Networks

Grant: 5 000 €

Yang Liu

University of Helsinki

Topic: Repurposing Pre-trained Models for Robust Knowledge Extraction and Interactive Exploration

Grant: 5 000 €

Pedro Llado Gonzalez

Aalto University School of Electrical Engineering

Topic: The Effect of Altered Spatial Cues on Sound Source Localisation

Grant: 5 000 €

Arpit Merchant

University of Helsinki

Topic: Applications of Node Embeddings to Learning and Mining on Graphs

Grant: 5 000 €

Seyed Ehsan Moeen Taghavi

University of Oulu

Topic: Joint Active-Passive Beamforming and User Association in IRS-Assisted mmWave Cellular Networks

Grant: 5 000 €

Usman Muhammad

University of Oulu

Topic: Video Representation and Deep Learning Techniques for Face Presentation Attack Detection

Grant: 5 000 €

Fahri Wisnu Murti

University of Oulu

Topic: Open and Virtualized Radio Access Network Orchestration With Deep Reinforcement Learning

Grant: 5 000 €

Aiman Nait Abbou

Aalto University School of Electrical Engineering

Topic: Introducing SDN-Based Solutions for Deterministic Services

Grant: 5 000 €

Alexander Nikitin

Aalto University School of Science

Topic: Probabilistic Methods for Predictive Maintenance: Graph and Human-in-the-Loop Machine Learning

Grant: 5 000 €

Malalgodage Amila Ni Perera

University of Oulu

Topic: Developing and Implementing the Light-Based IoT Concept Using Sustainable Electronic Technologies

Grant: 5 000 €

Samu-Ville Pälli

Aalto University School of Electrical Engineering

Topic: Submillimeter-Wave Imaging With Frequency-Diverse Holograms Using Neural Networks

Grant: 5 000 €

Anna-Maria Raita-Hakola

University of Jyväskylä

Topic: From Sensors to Machine Vision Systems: Exploring Machine Vision, Computer Vision and Machine Learning With Hyperspectral Imaging Applications

Grant: 5 000 €

Siddharth Ramchandran

Aalto University School of Science

Topic: Unsupervised Deep Generative Modelling of Clinical Data for Personalised Medicine

Grant: 5 000 €

Ankit Regmi

University of Oulu

Topic: Development of Low-Cost GNSS-Reflectometry Sensor for Environment Remote Sensing

Grant: 5 000 €

Dariush Salami

Aalto University School of Electrical Engineering

Topic: Spectrum-Efficient Human-Centric Sensing Using mmWave FMCW Radars

Grant: 5 000 €

Maria Stratigi

Tampere University

Topic: Sequential Group Recommendations

Grant: 5 000 €

Sebastian Szyller

Aalto University School of Science

Topic: Ownership and Confidentiality in Machine Learning Systems

Grant: 3 000 €

Harri Varheenmaa

Aalto University School of Electrical Engineering

Topic: Advanced Antennas for Mobile Devices

Grant: 5 000 €

Lauri Vähä-Savo

Aalto University School of Electrical Engineering

Topic: Microwave Circuits and Technics for Modern Low-Energy Buildings

Grant: 5 000 €

Alec Wright

Aalto University School of Electrical Engineering

Topic: Deep Learning for Audio Effects Processing

Grant: 5 000 €

Yanxin Xi

University of Helsinki

Topic: Urban Computing on Satellite and Street-View Imagery With Computer Vision Techniques

Grant: 5 000 €

Hanning Zhao

Tampere University

Topic: Novel Dynamic Visualization Methods for Cybersecurity Management of IoT Devices and

Networks

Grant: 5 000 €

Lingyu Zhu

Tampere University

Topic: Scene Perception Through Audio-Visual Learning

Grant: 5 000 €

2021

Muharrem Mete Ahishali

Tampere University

Topic: Advanced Machine Learning Techniques for Scarce Data

Grant: 6 000 €

Somayyeh Asgari

University of Oulu

Topic: Analytic and Numeric Studies of Tunable Reconfigurable Graphene-based Optical Metamaterials at Terahertz Telecommunication

Grant: 5 000 €

Nooshin Bahador

University of Oulu

Topic: Assessment of Neurological Function Based on Physiological Signals Processing Using Machine/Deep Learning Techniques

Grant: 5 000 €

Alexandros Bakas

Tampere University

Topic: Operations on Encrypted Data

Grant: 6 000 €

Hamidreza Bakhshzad Mahmoodi

University of Oulu

Topic: Coded Collaborative Caching for Wireless Energy Efficiency

Grant: 5 000 €

Woubshet Behutiye

University of Oulu

Topic: Towards a Better Understanding and Support of Quality Requirement Documentation in Agile Software Development

Grant: 5 000 €

Rodrigo Borges

Tampere University

Topic: Machine Learning Techniques for Mitigating Unfairness in Recommendation Systems

Grant: 6 000 €

Kateryna Chumachenko

Tampere University

Topic: Discriminant Learning with Applications to Deep Learning

Grant: 6 000 €

Aysen Degerli Ahishali

Tampere University

Topic: Artificial Intelligence for Advance Warning of Myocardial Infarction and COVID-19

Grant: 6 000 €

Ignacio Maria Delgado Lozano

Tampere University

Topic: SCARY: Side-Channel Attacks and Countermeasures for an Improved Hardware Cryptography

Grant: 6 000 €

Hamza Djelouat

University of Oulu

Topic: Grant-Free Access Optimization in Massive Machine-Type Communications

Grant: 5 000 €

Luca Ferranti

University of Vaasa

Topic: Computational Methods for Efficient and Reliable Positioning

Grant: 6 000 €

Dipa Ghindani

Tampere University

Topic: Active Metasurface-based Nanophotonic Devices for Optical Communication

Grant: 6 000 €

Bikshapathi Gouda

University of Oulu

Topic: Low-Complexity Fully Distributed Cell-Free Massive MIMO System Design

Grant: 6 000 €

Georg Götz

Aalto University School of Electrical Engineering

Topic: Machine-learning-based Virtual Acoustics Rendering

Grant: 6 000 €

Mohammad Hatami

University of Oulu

Topic: Machine Learning Methods for Next Generation Wireless IoT Networks

Grant: 5 000 €

Reza Heydarian

Aalto University School of Electrical Engineering

Topic: Dielectric Particles for Enhancement of Nanophotonic Devices

Grant: 6 000 €

Md Arman Hossain

Tampere University

Topic: Teaching and Learning of Information and Communication Technology (ICT) and Information Literacy (IL) Skills in Library and Information Science (LIS) Schools

Grant: 6 000 €

Muhammad Yasir Javed

University of Oulu

Topic: Interference Robust RF Transceivers for mmW and Beyond

Grant: 5 000 €

Shaoxiong Ji

Aalto University School of Science

Topic: Deep Learning for Natural Language Processing and Medical Applications

Grant: 5 000 €

Tanveer Khan

Tampere University

Topic: Privacy-preserving Machine Learning Models

Grant: 6 000 €

Roman Klus

Tampere University

Topic: Applications of Modern Machine Learning Methods in Future Radio Networks

Grant: 4 900 €

Mikko Kokkonen

University of Oulu

Topic: Novel Materials and Lens Structures for sub-THz Range Lens Antennas for Fixed and Steerable Beams Antenna Systems

Grant: 6 000 €

Abhishek Kumar

University of Helsinki

Topic: User-centered Systems for Privacy Protection in Mobile and Pervasive Environments

Grant: 6 000 €

Karem Melissa Lozano Montero

Tampere University

Topic: Low-cost Energy Harvesters and Energy-efficient Sensors for IoT Applications

Grant: 5 000 €

Ruben Morales Ferre

Tampere University

Topic: MEO and LEO Satellite-based Positioning in the Presence of Wireless Channel Impairments and Interference Management Solutions

Grant: 6 000 €

Irfan Muhammad

University of Oulu

Topic: Dependability for Future Wireless Machine Type Communication Networks

Grant: 5 000 €

Suhas Thejaswi Muniyappa

Aalto University School of Science

Topic: Scalable Algorithm Designs for Web-scale Data

Grant: 6 000 €

Tri Nguyen

University of Oulu

Topic: Blockchain Technology for a Service Market

Grant: 6 000 €

Behnaz Norouzi

University of Oulu

Topic: The Intergenerational Aspect of Shaping Children's Learning in Digital Fabrication Activities

Grant: 2 000 €

Niloofar Okati

Tampere University

Topic: Performance Analysis of Massive Low Earth Orbit Internet Constellations

Grant: 6 000 €

Jude Okwuibe

University of Oulu

Topic: Software-Defined Resource Management for Industrial Internet of Things

Grant: 6 000 €

Kennedy Opoku Asare

University of Oulu

Topic: Smartphone & Wearable Instrumentation and Human Behaviour Analysis for Depression Interventions

Grant: 5 000 €

Jaakko Pihlajasalo

Tampere University

Topic: Machine Learning Assisted Algorithms for Industry Applications

Grant: 6 000 €

Karolina Prawda

Aalto University School of Electrical Engineering

Topic: Capture, Analysis, and Synthesis of Sound Energy Decay

Grant: 6 000 €

Karel Pärin

Tampere University

Topic: Physical Layer Security in Wireless Communications

Grant: 6 000 €

Ali Raza Saleem

Aalto University School of Electrical Engineering

Topic: Integrated RF Transmitter Front-End for Frequency Reconfigurable Antenna Cluster

Grant: 6 000 €

Sumit Singh

University of Oulu

Topic: Design and Development of Radio Receiver ICs at sub-mmWave/THz Frequency Range Towards 6G Communications

Grant: 6 000 €

Islam Tanash

Tampere University

Topic: Mathematical Tools for Communication Systems' Performance Analysis

Grant: 6 000 €

Dat Thanh Tran

Tampere University

Topic: Efficient Design, Training and Deployment of Artificial Neural Networks

Grant: 6 000 €

Agustin Zuniga

University of Helsinki

Topic: Intelligent Pervasive Sensing

Grant: 6 000 €

2020

Mohamed Abdelaziz

University of Oulu

Topic: Ultra-reliable Low-Latency Vehicular Communication

Grant: 5 000 €

Raju Ahamed

Aalto University School of Electrical Engineering

Topic: Millimeter-wave RF Front-end Circuits for 5G and Beyond Wireless Communications

Grant: 5 000 €

Tanwir Ahmad

Åbo Akademi University

Topic: Performance Exploration and Testing of Software-intensive Systems

Grant: 5 000 €

Iqrar Ahmed

University of Oulu

Topic: Exploiting the Role of Optical Wireless Communication in Medical ICT

Grant: 5 000 €

Ihtisham Ali

Tampere University of Technology

Topic: Visual-SLAM for Autonomous Vehicles in Unregulated Dynamic Environment

Grant: 5 000 €

Nachiket Ayir

Tampere University of Technology

Topic: Designing Optimal Waveforms and Developing a Test-bed for Simultaneous Wireless Information and Power Transfer

Grant: 5 000 €

Yazan A. M. Barhoush

University of Oulu

Topic: Towards an Articulated Rehabilitation in VR: Improving Arm Tracking Using a Novel Module

Grant: 4 920 €

Jiangcheng Chen

University of Oulu

Topic: Wideband Millimeter Wave and THz Antenna Design for High Data Rate 5G and 6G Communication Systems

Grant: 3 500 €

Francisco Cuesta

Aalto University School of Electrical Engineering

Topic: Control of Electromagnetic Waves based on Metamaterials

Grant: 5 000 €

Sneha Das

Aalto University School of Electrical Engineering

Topic: Speech and Audio Enhancement for Coding in Multi-microphone Ad-hoc Networks

Grant: 5 000 €

Pekka Enberg

University of Helsinki

Topic: The Parakernel Operating System

Grant: 5 000 €

Majdoddin Esfandiari

Aalto University School of Electrical Engineering

Topic: Array Processing Aided mmWave Channel Estimation

Grant: 5 000 €

Tahmoores Farjam

Aalto University School of Electrical Engineering

Topic: Co-Design of Control and Communication Protocols in Wireless Networked Control Systems

Grant: 5 000 €

Jaakko Matias Haarla

Aalto University School of Electrical Engineering

Topic: Beam Steerable Antenna Arrays for Mobile Networks

Grant: 5 000 €

Ibbad Hafeez

University of Helsinki

Topic: Securing the Internet-of-Things in Edge-networks

Grant: 5 000 €

Mikko Heikkilä

University of Helsinki

Topic: Advances in Privacy Preserving Machine Learning

Grant: 5 000 €

Tharaka Hewa

University of Oulu

Topic: Decentralized and Scalable Blockchain based Security Service Architecture for 5G IoT

Grant: 5 000 €

Gazi Karam Illahi

Aalto University School of Science

Topic: Quality of Experience (QoE) Improvement in Distributed Multimedia Systems

Grant: 5 000 €

Asad Javed

Aalto University School of Science

Topic: Scalable and Fault-Tolerant IoT Architecture for Smart City Environments

Grant: 5 000 €

Emre Can Kaya

Tampere University of Technology

Topic: Immersive Visual Data Compression

Grant: 5 000 €

Bilal Khan

University of Oulu

Topic: Robust and Simplified Digital Predistortion Solutions for Millimeter-Wave Multi-Antenna Transmitters

Grant: 5 000 €

Vladislav Khayrudinov

Aalto University School of Electrical Engineering

Topic: Semiconductor Nanowires in Telecommunications: All-optical Computing

Grant: 5 000 €

Duc Le

Tampere University of Technology

Topic: Robust and Versatile Antenna and RF Technology for Energy-efficient Implantable and Wearable Devices in Body Area Networks

Grant: 5 000 €

Mikko Leino

Aalto University School of Electrical Engineering

Topic: Semiconductor Nanowires in Telecommunications: All-optical Computing Using Nanowires

Grant: 5 000 €

Tong Li

University of Helsinki

Topic: Behavioral Pattern Recognition in Mobile Big Data

Grant: 5 000 €

Krista Longi

University of Helsinki

Topic: Beam-steerable Antennas at Millimeter-wave Frequencies

Grant: 5 000 €

Yi Lu

Tampere University of Technology

Topic: Behavioral Pattern Recognition in Mobile Big Data

Grant: 5 000 €

Mohammad Moltafet

University of Oulu

Topic: Machine Learning Methods for Signal Processing

Grant: 5 000 €

Emadaldin Mozafari Majd

Aalto University School of Electrical Engineering

Topic: Millimeter Wave Positioning and Location-Aware Communications for 5G-Empowered Industrial IoT

Grant: 5 000 €

Parisa Nouri

University of Oulu

Topic: Cooperative Diversity Mechanisms for Critical Machine-Type Communications

Grant: 5 000 €

Jonas Oppenlaender

University of Oulu

Topic: Harvesting Folk Theories for a Better Understanding of Human-AI Interaction

Grant: 5 000 €

Jorge Peña Queralta

University of Turku

Topic: Collaboration in Heterogeneous Multi-Robot Systems with Blockchain Technology and Edge Computing

Grant: 5 000 €

Cesar Pereida Garcia

Tampere University of Technology

Topic: Cryptography Engineering and Side-Channel Analysis

Grant: 4 350 €

Jere Rusanen

University of Oulu

Topic: Integrated Millimeter-Wave Power Amplifier Architectures for 5G

Grant: 5 000 €

Nyyti Saarimäki

Tampere University of Technology

Topic: Towards Mitigating Code Technical Debt Using Automated Static Analysis Tools

Grant: 5 000 €

Elham Shamsa

University of Turku

Topic: Self-Aware Resource Management in Embedded Systems: from Resource Allocation to Quality Configuration

Grant: 5 000 €

Masoud Sharifian Mazraehmollaei

Aalto University School of Electrical Engineering

Topic: Metamaterials for Controlling the Near Fields of Short-wave Electromagnetic Sources

Grant: 5 000 €

Hamid Shiri

University of Oulu

Topic: Machine Learning Aided Wireless Autonomous Control

Grant: 5 000 €

Panu Sjövall

Tampere University of Technology

Topic: Research of High-Level Synthesis by Using it to Implement Kvazaar HEVC Video Encoder on FPGA

Grant: 5 000 €

Fahad Sohrab

Tampere University of Technology

Topic: Subspace Learning for One-class Classification

Grant: 5 000 €

Arthur Sousa de Sena

LUT University

Topic: Enhancing Spectral and Energy Efficiency of Future Multi-Antenna Wireless Communication Systems via Intelligent Reflecting Surfaces and Advanced Multiple Access Technologies

Grant: 5 000 €

Nikita Tafintsev

Tampere University of Technology

Topic: Integrated Access and Backhaul in 5G systems

Grant: 5 000 €

Petri Vähäkainu

University of Jyväskylä

Topic: Artificial Intelligence supported Security in Cyber physical Environment in Smart Buildings Context

Grant: 5 000 €

Dianlei Xu

University of Helsinki

Topic: Intelligent and Privacy-preserving task Migration Strategy in Edge Computing

Grant: 5 000 €

Jawad Yasin

University of Turku

Topic: Collision Prediction and Avoidance in a Swarm of Drones

Grant: 5 000 €

Sorrachai Yingchareonthawornchai

Aalto University School of Science

Topic: Fast and Scalable Algorithms for Computing Vertex Connectivity

Grant: 5 000 €

Narges Yousefnezhad

Aalto University School of Science

Topic: Probabilistic Machine Learning Based Context Aware Security for Internet of Things

Grant: 5 000 €

2019

Shahbaz Ahmed

Tampere University of Technology

Topic: Design and Development of Wirelessly Powered Implantable System for Intra-Abdominal Pressure Monitoring Application

Grant: 5 000 €

Rehman Akbar

University of Oulu

Topic: Extended Frequency Range Multi-Carrier Receiver for 5G in CMOS (Ex5GRX)

Grant: 5 000 €

Aram Baharmast

University of Oulu

Topic: Wide Dynamic Range and High Precision Time-Of-Flight (TOF) Optical Receiver for a Long-Range Laser Radar System

Grant: 5 000 €

Dick Carrillo Melgarejo

Lappeenranta University of Technology

Topic: Improving the Design of Wireless Communication Systems for Energy Systems and Industrial Automation

Grant: 5 000 €

Pedram Daee

Aalto University School of Science

Topic: Probabilistic User Modelling Methods for Improving Human-in-the-loop Machine Learning

Grant: 5 000 €

Mohammed ElBamby

University of Oulu

Topic: Resource Management for Enabling Low-Latency Services in 5G Networks

Grant: 5 000 €

Rui Gao

Aalto University School of Electrical Engineering

Topic: Bayesian Filtering-based Variable Splitting Methods for Regularized State Estimation

Grant: 5 000 €

Tuomas Haapala

Aalto University School of Electrical Engineering

Topic: Ultra-low Power Radio Transceiver Circuits for the Massive Internet of Things

Grant: 5 000 €

Henri Hentilä

Aalto University School of Electrical Engineering

Topic: Secure and Efficient Inference in the Internet of Things

Grant: 5 000 €

Sonja Hyrynsalmi

University of Turku

Topic: Different Career Paths to the Software Industry - How to Ensure Successful Career Change to the software industry?

Grant: 5 000 €

Asad Javed

Aalto University School of Science

Topic: Scalable and Fault-Tolerant IoT Architecture based on Edge-Cloud Computing

Grant: 5 000 €

Sabin Karki

Aalto University School of Electrical Engineering

Topic: Beam-switching Antennas for Millimeter-wave Communication

Grant: 5 000 €

Hamza Khan

University of Oulu

Topic: Intelligent Network Slicing for Next Generation Vehicular Networks

Grant: 5 000 €

Joni Kilpijärvi

University of Oulu

Topic: Non-invasive Sensors for Human Monitoring in Vivo and ex Vivo

Grant: 5 000 €

Pranvera Kortoci

Aalto University School of Science

Topic: Internet of Things (IoT) Device Life-cycle Management: From Secure Bootstrapping to Efficient Operation

Grant: 5 000 €

Dileep Kumar

University of Oulu

Topic: Cooperative Multi-Cell Processing for Ultra-Reliable mmWave Communication

Grant: 5 000 €

Elina Kuosmanen

University of Oulu

Topic: Managing Parkinson's Disease with Technology

Grant: 5 000 €

Juho Liski

Aalto University School of Electrical Engineering

Topic: Equalizer Design and Applications for Sound Sources

Grant: 5 000 €

Rasmus Luomaniemi

Aalto University School of Electrical Engineering

Topic: Design of Adaptive MIMO Antennas for Handsets

Grant: 5 000 €

Shubin Ma

Tampere University of Technology

Topic: Multimodal Miniature Antenna-Sensor Systems for Wireless Medicine

Grant: 5 000 €

Leo McCormack

Aalto University School of Electrical Engineering

Topic: Parametric Time-frequency Domain Sensor Array Processing

Grant: 5 000 €

Saeed Mehrang

University of Turku

Topic: Machine Learning-based Detection of Health Conditions and Diseases Using Smartphones and Wearable Sensors

Grant: 5 000 €

Joonas Multanen

Tampere University of Technology

Topic: High-Performance Memory Architectures for Virtual and Augmented Reality Applications

Grant: 5 000 €

Gaurav Naithani

Tampere University of Technology

Topic: Monaural Sound Source Separation using Deep Learning Methods

Grant: 5 000 €

Jonas Oppenlaender

University of Oulu

Topic: Mining Folk Theories for a Better Understanding of Human-AI Interaction

Grant: 5 000 €

Abhinay Pandya

University of Oulu

Topic: Mining Social Media Harnessing Meta Information and Background Knowledge

Grant: 5 000 €

Jorge Pena Queralta

University of Turku

Topic: Collaboration in Heterogeneous Multi-Robot Systems: Cooperation and Collaborative Sensing in Heterogeneous Swarms of Autonomous Robots

Grant: 5 000 €

Nikta Pournoori

Tampere University of Technology

Topic: Advanced Wireless Biotelemetry Systems for Human Healthcare

Grant: 5 000 €

Grigorii Ptitsyn

Aalto University School of Electrical Engineering

Topic: Time-modulated Structures and Metamaterials

Grant: 5 000 €

Robin Rajamäki

Aalto University School of Electrical Engineering

Topic: Sparse Sensor Array Configurations and Processing for Active and Passive Sensing

Grant: 5 000 €

Sara Ramezani

University of Helsinki

Topic: Privacy Enhancing Technologies with Cryptographic and AI Methods, in 5G Networks

Grant: 5 000 €

Elias Raninen

Aalto University School of Electrical Engineering

Topic: High-dimensional Statistical Learning and Inference

Grant: 5 000 €

Mehdi Safarpour

University of Oulu

Topic: Low Power Solutions for IoT Applications: From Sensing to Communication

Grant: 5 000 €

Alok Sethi

University of Oulu

Topic: RF Phased Arrays for 5G

Grant: 5 000 €

Masoud Sharifian Mazraehmollaei

Aalto University School of Electrical Engineering

Topic: Metamaterials for Controlling the Near Fields of Short-wave Electromagnetic Sources

Grant: 5 000 €

Mohammad Shehab

University of Oulu

Topic: Energy Efficient QoS Provisioning for Machine Type Communication

Grant: 3 000 €

Inosha Sugathapala

University of Oulu

Topic: Optimum Infrastructure Sharing in Dynamic Heterogeneous Networks to Optimize Available Resource Usage and User-association to Minimize Traffic Delay

Grant: 5 000 €

Muhammad Naeem Tahir

University of Oulu

Topic: Evolving Vehicular Communication Utilizing Road Weather Data by using Cellular Communication and Short Range Networks

Grant: 5 000 €

Muhammad Tayyab

Aalto University School of Electrical Engineering

Topic: Energy Efficient Mobility for Small Cell Overlaid Cellular Networks

Grant: 5 000 €

Nicola Tuveri

Tampere University of Technology

Topic: Efficient and Side-channel Resistant Pervasive Cryptography

Grant: 5 000 €

Wenbo Wang

Tampere University of Technology

Topic: Empowering Heterogeneous Aviation Communications Through Cellular Signals

Grant: 5 000 €

Vikas Verma

Aalto University School of Science

Topic: Simple and Efficient Regularization Techniques for Deep Neural Networks

Grant: 5 000 €

Chao Zhu

Aalto University School of Electrical Engineering

Topic: Resource Allocation in Vehicular Fog Computing

Grant: 5 000 €

Hesam Zolfaghari

University of Tampere

Topic: Low-area Packet Processor for Terabit per Second Packet Processing

Grant: 5 000 €

2018

Yariv Aizenbud

University of Jyväskylä

Topic: Randomized Algorithms in Numerical Linear Algebra and Data Analysis

Grant: 5 000 €

Onel Luis Alcaraz López

University of Oulu

Topic: Efficient Multiple Access in Massive Machine-type Communication Networks

Grant: 5 000 €

Arman Anzanpour

University of Turku

Topic: Internet-of-Things Enabled Smart Early Warning System for In-Home Healthcare

Grant: 5 000 €

Olli Apilo

University of Oulu

Topic: Energy Efficiency Analysis and Improvements of Multiple-input Multiple-output Cellular Communications

Grant: 3 000 €

Pekka Astola

Tampere University of Technology

Topic: Light Field Compression and Applications

Grant: 5 000 €

Iman Azimi

University of Turku

Topic: Personalized Health Data Analytics Based on Internet-of-Things

Grant: 5 000 €

Emre Cakir

Tampere University of Technology

Topic: Deep Learning Techniques For Polyphonic Sound Event Detection In Real-Life Environments

Grant: 5 000 €

Santiago Córtes Reina

Aalto University School of Science

Topic: Models and Methods for Visual-inertial Odometry

Grant: 5 000 €

Alireza Haghighatkah

University of Oulu

Topic: Test Case Prioritization Using Build History and Test Similarities: An Approach for Improving Automotive Regression Testing in Continuous Integration Environment

Grant: 5 000 €

Farhoud Hosseinpour

University of Turku

Topic: Smart Data: Reshaping Data in IoT for Tackling the Vs of Big Data using Fog Computing

Grant: 5 000 €

Mohsin Khan

University of Helsinki

Topic: Identity Privacy of a 5G User Over the Radio Link

Grant: 5 000 €

Vladislav Khayrudinov

Aalto University School of Electrical Engineering

Topic: Nanowire Based All-optical Computing

Grant: 5 000 €

Matias Koskela

Tampere University of Technology

Topic: Foveated Path Tracing for Photo-Realistic Virtual Reality

Grant: 5 000 €

Sanjay Kumar

University of Jyväskylä

Topic: Hybrid Machine Learning Based Threat Detection System

Grant: 5 000 €

Tanesh Kumar

University of Oulu

Topic: Efficient Biometrics based User's Authentication Framework in Future Gadget-Free Hyperconnected Environments

Grant: 5 000 €

Joni Kurvinen

Aalto University School of Electrical Engineering

Topic: Modern Handset Antennas for Future Mobile Communications

Grant: 5 000 €

Antti Luoto

Tampere University of Technology

Topic: Lightweight Logging of 360-degree Video Users

Grant: 5 000 €

Shubin Ma

Tampere University of Technology

Topic: Multimodal Antenna-Sensor Systems for Wireless Medicine

Grant: 5 000 €

Antonis Matakos

Aalto University School of Science

Topic: Social Media for Social Good: Models and Algorithms

Grant: 5 000 €

Farrokh Mehryary

University of Turku

Topic: Impacting Biomedical Research: Unsupervised Deep Learning for Literature Mining

Grant: 5 000 €

Iaroslav Melekhov

Aalto University School of Science

Topic: Autonomous Driving Localization Using Deep Learning Methods

Grant: 5 000 €

Riikka Mikkonen

Tampere University of Technology

Topic: Stable and Reliable Material Interfaces for Wireless Sensing Applications

Grant: 5 000 €

Beatrice Monastero

Aalto University School of Science

Topic: Augmenting Daily Spaces and Objects for Opportunistic Social Interaction

Grant: 5 000 €

Mohammad Hassan Montaseri

University of Oulu

Topic: Efficient mm-Wave/(Sub)THz CMOS Power Amplifiers Design for the Next Generation of Wireless Communications Systems

Grant: 5 000 €

Marius Noreikis

Aalto University School of Electrical Engineering

Topic: Towards Large-scale Augmented Reality Using Vision Based Indoor Positioning

Grant: 5 000 €

Aleksandr Ometov

Tampere University of Technology

Topic: Social, Private, and Trusted Wearable Technology under Cloud-Aided Intermittent Wireless Connectivity

Grant: 5 000 €

Santeri Paavolainen

Aalto University School of Electrical Engineering

Topic: IoT Federation Based on Distributed Blockchain Technologies

Grant: 2 000 €

Abhinay Pandya

University of Oulu

Topic: Mining Social Media Text Utilizing/harnessing Special Properties/features of Social Networks

Grant: 5 000 €

Mika Pulkkinen

Aalto University School of Electrical Engineering

Topic: Energy-Efficient Narrowband Transmitters and Gesture Sensor for Low-Power Applications

Grant: 5 000 €

Yanlin Qian

Tampere University of Technology

Topic: Computer Vision for Low Vision Tasks: Color Constancy, Intrinsic Image Decomposition and Super Resolution

Grant: 5 000 €

Jurka Rahikkala

University of Turku

Topic: On Top Management Participation in Software Project Cost Estimation

Grant: 5 000 €

Iran Ramezanipour

University of Oulu

Topic: Local Licensing vs. Spectrum Sharing for Different Wireless Communications Applications

Grant: 5 000 €

Jukka Ruohonen

University of Turku

Topic: Essays on Software Vulnerabilities

Grant: 5 000 €

Golnaz Sahebi

University of Turku

Topic: Optimization of Deep Learning Networks for Smart Medical Embedded Devices

Grant: 5 000 €

Adrián Santos Parrilla

University of Oulu

Topic: Analyzing Families of Experiments in Software Engineering

Grant: 5 000 €

Rana Shaheen

University of Oulu

Topic: mm-Wave MIMO Receiver Design in Nanometer CMOS for 5G Systems

Grant: 5 000 €

Mohammad Shehab

University of Oulu

Topic: Energy Efficient Statistical Quality of Service Provisioning for Wireless Networks

Grant: 4 000 €

Muhammad Naveed Tabassum

Aalto University School of Electrical Engineering

Topic: Advanced Methods for High-Dimensional Data Analysis and Signal Processing

Grant: 5 000 €

Mohammad Tavakolian

University of Oulu

Topic: Automatic Face Analysis using Deep Learning for Healthcare Applications

Grant: 5 000 €

Svetlana Tcvetkova

Aalto University School of Electrical Engineering

Topic: Extreme and Optimal Metasurfaces

Grant: 5 000 €

Nguyen Quang Tran

Aalto University School of Science

Topic: Machine Learning for Big Data Over Networks

Grant: 5 000 €

Mira Valkonen

University of Tampere

Topic: Machine Learning in Digital Pathology

Grant: 5 000 €

Xuchen Wang

Aalto University School of Electrical Engineering

Topic: Printable Cognitive Sub-terahertz Communication Systems

Grant: 5 000 €

Kien Vu

University of Oulu

Topic: Integrated Access-Backhaul for 5G Wireless Networks

Grant: 5 000 €

Yingyue Xu

University of Oulu

Topic: Human Visual Attention Analysis Based on Eye Movement Data

Grant: 4 500 €

2017

Sharath Adavanne

Tampere University of Technology

Topic: Sound Event Localization and Detection in Real Life Multichannel Audio Using Deep Learning Methods

Grant: 5 000 €

Ijaz Ahmad

University of Oulu

Topic: Scalable and Secure Control Plane Architecture for Software Defined Mobile Networks

Grant: 5 000 €

Onel Luis Alcaraz López

University of Oulu

Topic: Efficient Multiple Access in Massive Machine-type Communication Networks

Grant: 5 000 €

Behnam Badihi

Aalto University School of Electrical Engineering

Topic: Internet of Things (IoT) in Real Time Applications, Challenges and Solution

Grant: 5 000 €

Jeremias Berg

University of Helsinki

Topic: Efficient Constraint Based Optimization - Algorithms and Applications

Grant: 5 000 €

Xiaochen Chen

Tampere University of Technology

Topic: Embroidered Body-centric Passive Wireless Sensors

Grant: 5 000 €

Margarita Gapeyenko

Tampere University of Technology

Topic: Effects and Enablers of Drone-specific Networking in Beyond-5G Communications

Grant: 5 000 €

Maximilian Götzinger

University of Turku

Topic: Self-Awareness in Cyber-physical Systems

Grant: 5 000 €

Kai Hakala

University of Turku

Topic: Neural Knowledge Representations for Biomedical Information Extraction and Data-driven Discovery

Grant: 5 000 €

Jari-Matti Hannula

Aalto University School of Electrical Engineering

Topic: Advances in the Analysis and Design of Electrically Small Antennas

Grant: 5 000 €

Han He

Tampere University of Technology

Topic: Printed Structures for Textile-based Passive Wearable Wireless Sensors

Grant: 5 000 €

Mikko Heikkilä

University of Helsinki

Topic: Advances in Privacy-preserving Data Analysis

Grant: 5 000 €

Seyedrebar Hosseini

University of Oulu

Topic: Software and Data Quality for Cross Project Defect Prediction

Grant: 5 000 €

Mojtaba Jafari Tadi

University of Turku

Topic: Automated Detection of Atrial Fibrillation via Joint Accelerometer and Gyroscope Sensors in

Smart Embedded Devices

Grant: 5 000 €

Anil Kanduri

University of Turku

Topic: Approximation Techniques for Data Intensive Computing on Edge Processing Devices - Trading Accuracy for Performance and Energy

Grant: 5 000 €

Jenna Kanerva

University of Turku

Topic: Boosting Finnish Language Technology with Big Data, Deep Neural Networks and Multilingual Learning

Grant: 5 000 €

Sudeep Kanur

Åbo Akademi University

Topic: Towards Performance Portability of Dataflow Languages across CPU and GPU Architectures

Grant: 5 000 €

Kashif Nizam Khan

Aalto University School of Science

Topic: Energy-efficiency in Big-data Processing and Large Scale Distributed Systems

Grant: 5 000 €

Simon Klakegg

University of Oulu

Topic: CARE - A Context-Aware Sensor System for Elderly Care

Grant: 5 000 €

Khalil Klouche

Aalto University School of Art and Design

Topic: Entity-Based Interactions for Fluid Information Exploration

Grant: 5 000 €

Mike Koivisto

Tampere University of Technology

Topic: High-accuracy Positioning and Location-aware Communications in Future 5G Networks

Grant: 5 000 €

Tanesh Kumar

University of Oulu

Topic: Efficient Biometrics based User's Authentication Framework in Future Gadget-Free Hyperconnected Environments

Grant: 5 000 €

Jerry Lemberg

Aalto University School of Electrical Engineering

Topic: Integrated Digital-Intensive Radio Transmitters for 5G

Grant: 5 000 €

Tuomo Lempiäinen

Aalto University School of Science

Topic: Complexity Classes in Distributed Computing

Grant: 5 000 €

Juuli Lintula

University of Jyväskylä

Topic: Drawbacks of Co-Creation with Users of Cyber-Physical Systems and Services: A Value Co-Destruction Perspective

Grant: 5 000 €

Chen-Feng Liu

University of Oulu

Topic: Heterogeneous Resource Allocation for Hierarchical Software-Defined Radio Access Networks at the Network Edge

Grant: 5 000 €

Sayfullina Luiza

Aalto University School of Science

Topic: Domain Adaptation for Text Classification Using Neural Networks

Grant: 5 000 €

Amin Majd

University of Turku

Topic: Runtime Optimization Approaches for Smart Access Points Placement using Fog Computing

Grant: 5 000 €

Tenager Mekonnen

University of Oulu

Topic: Efficient Resource Management of Internet of Things (IoT) for Scalable Deployment in Future Wireless Networks

Grant: 5 000 €

Abdulmelik Mohammed

Aalto University School of Science

Topic: Algorithms and Models for Biomolecular Nanotechnology

Grant: 5 000 €

Kien-Giang Nguyen

University of Oulu

Topic: Energy-Efficient Transmission Strategies for Multi-antenna Systems

Grant: 5 000 €

Sajjad Nouri

Tampere University of Technology

Topic: Harvesting the Dark Silicon Employing Heterogeneous Accelerator-Rich Platform for Energy

Conservation

Grant: 5 000 €

Susanna Paasovaara

Tampere University of Technology

Topic: Designing Playful Mobile Technology to Encourage Social Interaction between Nearby Strangers

Grant: 5 000 €

Cesar Pereida Garcia

Tampere University of Technology

Topic: Side-Channel Analysis and Cryptography Engineering

Grant: 5 000 €

José Maria Pérez-Macías

Tampere University of Technology

Topic: Sleep Quality Estimation, Obstructive Sleep Apnoea (OSA) Diagnostics Using EMFi Sensors and Sound Recordings

Grant: 3 500 €

Robin Rajamäki

Aalto University School of Electrical Engineering

Topic: Sparse Sensor Array Configurations and Processing for Active and Passive Sensing

Grant: 5 000 €

Muhammad Rizwan

Tampere University of Technology

Topic: Design and Development of Efficient and Conformal Printed Antennas for Wireless Sensing and Wearable Applications

Grant: 5 000 €

Polina Rozenshtein

Aalto University School of Science

Topic: Analysis of Interaction Networks

Grant: 5 000 €

Jarno Salomaa

Aalto University School of Electrical Engineering

Topic: Ultra-low Power Integrated Circuits for Energy Harvesting Wireless Sensor Nodes

Grant: 5 000 €

Bikramjit Singh

Aalto University School of Electrical Engineering

Topic: Spectrum Management in Non-Latency and Latency constraint Next-Generation Networks

Grant: 5 000 €

Panu Sjövall

Tampere University of Technology

Topic: Research of High-Level Synthesis by Using it to Implement Kvazaar HEVC Video Encoder on FPGA

Grant: 5 000 €

Syed Tamoor-ul-Hassan

University of Oulu

Topic: Computation Offloading for Efficient Resource Utilization in Low-latency Cloud-Aided Wireless Networks with Edge Caching

Grant: 5 000 €

Svetlana Tcvetkova

Aalto University School of Electrical Engineering

Topic: Extreme and Optimal Metasurfaces

Grant: 5 000 €

Nuutti Tervo

University of Oulu

Topic: Radio Frequency Power Amplifiers for Massive MIMO Transmitters in Future Telecommunication Systems

Grant: 5 000 €

Nguyen Quang Tran

Aalto University School of Science

Topic: Novel Sampling Strategy for Graph Signal Recovery: A Reinforcement Learning Approach

Grant: 5 000 €

Dimitrios Tzarouchis

Aalto University School of Electrical Engineering

Topic: Morphological Effects of Resonant Nanoantennas

Grant: 5 000 €

Karthik Upadhya

Aalto University School of Electrical Engineering

Topic: Channel Estimation and Hybrid Beamforming for Fifth Generation Mobile Communication Systems

Grant: 5 000 €

Markus Viljanen

University of Turku

Topic: Data Analytics: Novel Methods for Digital Customer Data

Grant: 5 000 €

Usman Tahir Virk

Aalto University School of Electrical Engineering

Topic: Millimeter-wave Radio Channel Simulations and Modeling for 5G Wireless Systems and Beyond

Grant: 5 000 €

Aku Visuri

University of Oulu

Topic: Designing a Quantified-Self Infrastructure to Increase Well-being and Motivate Behavioural Change

Grant: 5 000 €

Kien Vu

University of Oulu

Topic: Joint Resource Allocation and Interference Mitigation in 5G Heterogeneous Networks, Monograph

Grant: 5 000 €

Tung Vuong

University of Helsinki

Topic: User Task Detection and Entity-centric Pro-active Information Retrieval via Screen Monitoring

Grant: 5 000 €

Sezin Gizem Yaman

University of Helsinki

Topic: User Involvement in Continuous Experimentation

Grant: 5 000 €

Di Zhang

University of Jyväskylä

Topic: Game Theoretic Approaches for Energy-efficient Resource Sharing in Software-defined Wireless Network

Grant: 5 000 €

2016

Ijaz Ahmad

University of Oulu

Topic: Scalable and Secure Control Plane Architecture for Software Defined Mobile Networks

Grant: 5 000 €

Anton Autere

Aalto University School of Electrical Engineering

Topic: Novel Nonlinear Optical Nanomaterials for Optical Telecommunications

Grant: 5 000 €

Ahmad Seyed Banijamali

University of Oulu

Topic: Software Deployment From an Open Automotive Cloud-based Ecosystem

Grant: 5 000 €

Marian Bica

Aalto University School of Electrical Engineering

Topic: Agile Multicarrier Radars and Coexistence with Wireless Communication Systems

Grant: 5 000 €

Jiang Dong

Aalto University School of Science

Topic: Utilizing Mobile Crowdsensing in Ubiquitous Cloud Environment

Grant: 5 000 €

Angelos Fylakis

University of Oulu

Topic: Data Hiding in Biomedical Signals and Images

Grant: 5 000 €

Rosa Gonzalez-Hautamäki

University of Eastern Finland

Topic: Intentional Voice Modification. A Perceptual, Acoustic and Automatic Evaluation of Speaker Recognition Systems

Grant: 5 000 €

Mohammadhashem Haghbayan

University of Turku

Topic: Heterogeneous Computing in the Dark Silicon Era

Grant: 5 000 €

Jiguang He

University of Oulu

Topic: Lossy Decode-and-Forward over Time-Varying Wireless Sensor Networks

Grant: 5 000 €

Mikko Heino

Aalto University School of Electrical Engineering

Topic: Isolation Improvement and High Frequency Antenna Design for Future Mobile Communication Systems

Grant: 5 000 €

Shohreh Hosseinzadeh

University of Turku

Topic: Software Security through Diversification, Obfuscation and Trusted Computing Techniques

Grant: 5 000 €

Md. Mazidul Islam

Aalto University School of Electrical Engineering

Topic: Passive Sensor RFIDs and Beam Steerable Antenna for Future Communication

Grant: 5 000 €

Elena Ivannikova

University of Jyväskylä

Topic: Intelligent Solutions for Information Security

Grant: 5 000 €

Mojtaba Jafari Tadi

University of Turku

Topic: Automated Detection of Atrial Fibrillation via Joint Accelerometer and Gyroscope Sensors in Smart Embedded Devices

Grant: 5 000 €

Jenna Kanerva

University of Turku

Topic: Boosting Finnish Language Technology with Big Data, Deep Neural Networks and Multilingual Learning

Grant: 5 000 €

Ulla Karhumäki

University of Manchester

Topic: Some Structures of Finite Morley Rank Associated with the Hrushovski Programme

Grant: 5 000 €

Kashif Nizam Khan

Aalto University School of Science

Topic: Energy-efficiency in Big-data Processing and Large Scale Distributed Systems

Grant: 5 000 €

Muhammad Waqas Ahmad Khan

Tampere University of Technology

Topic: RFID Based Telemetry System for Biomedical Applications

Grant: 5 000 €

Matias Koskela

Tampere University of Technology

Topic: Foveated Ray Tracing for Virtual Reality Applications

Grant: 5 000 €

Sergei Kosulnikov

Aalto University School of Electrical Engineering

Topic: Enhancement of the Radiation Using Wire Medium Based Metamaterials

Grant: 5 000 €

Yongzhe Li

Aalto University School of Electrical Engineering

Topic: Transmit Waveforms/codes and Receive Filter Design with Applications to Radar and 5G Communication

Grant: 5 000 €

Jarno Lintusaari

Aalto University School of Science

Topic: Computational Inference for Statistical Network Models

Grant: 5 000 €

Chen-Feng Liu

University of Oulu

Topic: Heterogeneous Resource Allocation for Hierarchical Software-Defined Radio Access Networks at

the Network Edge

Grant: 5 000 €

Amin Majd

University of Turku

Topic: Runtime Optimization Approaches for Smart Access Points Placement using Fog Computing

Grant: 5 000 €

Hassan Naseri

Aalto University School of Electrical Engineering

Topic: Cooperative Localization and Mapping in Wireless Networks

Grant: 5 000 €

Dristy Parveg

Aalto University School of Electrical Engineering

Topic: Millimeter-wave CMOS Radio Front-end Circuits for 5G Mobile Communications and Earth Remote Sensing Applications

Grant: 5 000 €

Ella Peltonen

University of Helsinki

Topic: Iterative Data Analysis for Sensing Applications

Grant: 5 000 €

Vitaly Petrov

Tampere University of Technology

Topic: The Last Meter Terabit-per-Second Wireless Access

Grant: 5 000 €

Sanaz Rahimi Moosavi

University of Turku

Topic: Scalable and Lightweight Security Solutions for Internet of Things-based Healthcare

Grant: 5 000 €

Kimmo Rasilainen

Aalto University School of Electrical Engineering

Topic: Conformal and Multiband Antennas for Future Mobile Handsets and Wireless Sensors

Grant: 5 000 €

Muhammad Rizwan

Tampere University of Technology

Topic: Design and Development of Efficient and Conformal Printed Antennas for Wireless Sensing and Wearable Applications

Grant: 5 000 €

Fredrik Robertsen

Åbo Akademi University

Topic: Modern High Performance Computing Codes: A Fluid Dynamics Solver Using Current Hardware

and Programming Techniques

Grant: 5 000 €

Polina Rozenshtein

Aalto University School of Science

Topic: Analysis of Interaction Networks

Grant: 5 000 €

Hamidreza Shariatmadari

Aalto University School of Electrical Engineering

Topic: Enabling Technologies for Ultra-reliable with Low-latency Communications

Grant: 5 000 €

Inosha Sugathapala

University of Oulu

Topic: Resource Optimization and User Association with Network Virtualization in Dynamic Network Architecture Through Beamforming Technique

Grant: 4 000 €

Sampo Suonsyrjä

Tampere University of Technology

Topic: Methods and Tools for Utilizing User-interaction Data in Software Development

Grant: 5 000 €

Oskari Tervo

University of Oulu

Topic: Energy-Efficient Beamforming Techniques in Future Cellular Network

Grant: 5 000 €

Niels van Berkel

University of Oulu

Topic: Longitudinal Human and Digital Sensing Using Mobile Devices

Grant: 5 000 €

Jonatan Wiik

Åbo Akademi University

Topic: Automated Formal Verification of Actor-based Software for Embedded Systems

Grant: 5 000 €

Pavel Voroshilov

Aalto University School of Electrical Engineering

Topic: Metamaterials for Energy Harvesting and Wireless Power Transfer

Grant: 5 000 €

2015

Alessandro Altoè

Aalto University School of Electrical Engineering

Topic: Functional Models of the Auditory Pathway

Grant: 5 000 €

Markku Antikainen

Aalto University School of Science

Topic: Design and Analysis of Security Protocols

Grant: 5 000 €

Viktar Asadchy

Aalto University School of Electrical Engineering

Topic: Electromagnetic Properties and Applications of Extreme Bi-anisotropic Materials and Layers

Grant: 5 000 €

Kumaripaba Athukorala

University of Helsinki

Topic: Enhancing Exploratory Information Search with User Modeling

Grant: 5 000 €

Abayomi Baiyere

University of Turku

Topic: Discovering the Role of it in Disruptive Innovations – An Enabler, a Sustainer or a Barrier?

Grant: 5 000 €

Mathias Berglund

Aalto University School of Science

Topic: Semi-supervised Deep Learning

Grant: 5 000 €

Yihenew Dagne Beyene

Aalto University School of Electrical Engineering

Topic: Flexible Spectrum Sharing and Management for Heterogeneous Wireless Networks

Grant: 5 000 €

Zinelabidine Boulkenafet

University of Oulu

Topic: Multi-Modal and Anti-Spoofing Person Identification

Grant: 5 000 €

Benjamin Byholm

Åbo Akademi University

Topic: Deciding on Optimal Resource Allocations with Real-Time Constraints and Uncertainty: Theory and Practice in Cloud Computing

Grant: 5 000 €

Anna Maria Feit

Aalto University School of Electrical Engineering

Topic: Computational Design of Text Entry Systems

Grant: 5 000 €

Jie Guo

Åbo Akademi University

Topic: Working Through the “Value Jungle” of Mobile Payment Ecosystem

Grant: 5 000 €

Mohammadhashem Haghbayan

University of Turku

Topic: Heterogeneous Computing in the Dark Silicon Era

Grant: 5 000 €

Jari-Matti Hannula

Aalto University School of Electrical Engineering

Topic: New Techniques for Designing and Measuring Small Antennas

Grant: 5 000 €

Arto Heikkinen

University of Oulu

Topic: Scalable System Architecture for Distributed Multimedia Services

Grant: 5 000 €

Laura Hokkanen

Tampere University of Technology

Topic: User Experience Work in Startups and Company Ventures: Methods and Strategy

Grant: 5 000 €

Shohreh Hosseinzadeh

University of Turku

Topic: Software Security through Obfuscation and Diversification Techniques

Grant: 5 000 €

Pradthana Jarusriboonchai

Tampere University of Technology

Topic: Designing Mobile Devices and Applications to Encourage and Support Collocated Interactions

Grant: 5 000 €

Praneeth Jayasinghe

University of Oulu

Topic: Dynamic TDD for Heterogeneous Wireless Networks

Grant: 5 000 €

Tero Jokela

Tampere University of Technology

Topic: Novel Interaction Methods Supporting Multi-device Use

Grant: 5 000 €

Sofoklis Kakouros

Aalto University School of Electrical Engineering

Topic: Computational Attention in Single and Multiple Data Streams: A Cognitive Approach Enabling Efficient Single- and Multi-sensory Processing

Grant: 5 000 €

Jarkko Kaleva

University of Oulu

Topic: Radio Resource Management for Heterogeneous Wireless Systems

Grant: 5 000 €

Ossi Kaltiokallio

Aalto University School of Electrical Engineering

Topic: Gaining Situational Awareness in Indoor Environments Using Narrowband Radio Signal Measurements

Grant: 5 000 €

Mojgan Kamali

Åbo Akademi University

Topic: Wireless Routing for Smart Electrical Grids: A Formal Methods Study

Grant: 5 000 €

Anil Kanduri

University of Turku

Topic: Approximation Techniques for Data Intensive Computing - Trading Accuracy for Power and Performance

Grant: 5 000 €

Muhammad Waqas Ahmad Khan

University of Tampere

Topic: RFID Based Telemetry System for Biomedical Applications

Grant: 5 000 €

Janne Kokkala

Aalto University School of Electrical Engineering

Topic: Computational Methods for Classification of Codes

Grant: 5 000 €

Joonas Kokkonen

University of Oulu

Topic: Nanoscale Sensor Networks

Grant: 5 000 €

Dani Korpi

Tampere University of Technology

Topic: Modeling and Digital Cancellation of Self-Interference in Full-Duplex Radio Transceivers under Nonlinear RF Components

Grant: 5 000 €

Orestis Kostakis

Aalto University School of Science

Topic: Algorithmic Data Mining for Event-Interval Sequences

Grant: 5 000 €

Marko Leppänen

Tampere University of Technology

Topic: Vanishing Point: Where Architectures, Infrastructures and Processes of Software Engineering Meet

Grant: 5 000 €

Xin Liu

University of Oulu

Topic: Communicative Gesture Analysis using Computer Vision Methods

Grant: 5 000 €

Lucy Ellen Lwakatare

University of Oulu

Topic: Integrating Software Development and Operations Units (DevOps) in Software Development Process to help Achieve Continuous Product Improvement and Deployment

Grant: 5 000 €

Rakesh Mehta

Tampere University of Technology

Topic: Visual Recognition from Still Images Using Textural Cues

Grant: 5 000 €

Konstantin Mikhaylov

University of Oulu

Topic: Modular Platform for Wireless Sensor and Actuator Networks and Internet of Things

Grant: 5 000 €

Mohammad Sajjad Mirmoosa

Aalto University School of Electrical Engineering

Topic: Wire Medium and its Applications

Grant: 5 000 €

Abdulmelik Mohammed

Aalto University School of Science

Topic: Algorithms and Complexity for Self-assembly and Self-organization

Grant: 5 000 €

Elaheh Moradi

Tampere University of Technology

Topic: Machine Learning Methods for Structural Brain MRI: Applications to Alzheimer's Disease and Autism

Grant: 5 000 €

Irina Nefedova

Aalto University School of Electrical Engineering

Topic: Electrical and Optical Properties of Nanomaterial Layers for Mm/wave and THz Applications

Grant: 5 000 €

Matti Nelimarkka

University of Helsinki

Topic: Designing Live Participation Systems: Computational and Social Transformation of Co-located Computer-Mediated Communication

Grant: 2 240 €

Gia Tuan Nguyen

University of Turku

Topic: Reliability and Energy Efficiency of Real-time Healthcare Monitoring Internet-of- things-based System

Grant: 5 000 €

Ella Peltonen

University of Helsinki

Topic: Iterative Data Analysis for Sensing Applications

Grant: 5 000 €

Petrov Vitaly

Tampere University of Technology

Topic: The Last Meter Terabit-per-Second Wireless Access

Grant: 5 000 €

Pawani Porambage

University of Oulu

Topic: Integrating Security Solutions for Resource-constrained Networking Devices in the Internet of Things

Grant: 5 000 €

Younes Radi

Aalto University School of Electrical Engineering

Topic: Functional Metasurfaces

Grant: 5 000 €

Joel Rybicki

Aalto University School of Science

Topic: Fault-tolerant Co-ordination in Distributed Systems

Grant: 5 000 €

Mirka Saarela

University of Jyväskylä

Topic: Knowledge Discovery from PISA using Educational Data Mining

Grant: 5 000 €

Sumudu Samarakoon

University of Oulu

Topic: Energy Efficient Interference Coordination for Self-Organizing Small-Cells Networks

Grant: 5 000 €

Vasilii Semkin

Aalto University School of Electrical Engineering

Topic: Radio Wave Propagation Modeling at Mm-wave Frequencies for Planning 5G Mobile Networks

Using High Accurate 3D Models

Grant: 5 000 €

Mohit Sethi

Aalto University School of Science

Topic: Security for Ubiquitous Internet-connected Smart Objects

Grant: 5 000 €

Shahriar Shahabuddin

University of Oulu

Topic: MIMO Baseband Signal Processing Architectures for 5G

Grant: 5 000 €

Simran Singh

Tampere University of Technology

Topic: Frequency Response Mismatch Correction in Time-Interleaved Analog-to- Digital-Converters

Grant: 5 000 €

Tapio Soikkeli

Aalto University School of Electrical Engineering

Topic: End User Context in Characterizing and Modeling the Usage of Mobile Services

Grant: 5 000 €

Uditha Wijewardhana

University of Oulu

Topic: Optimization & Learning Methods for Signal Processing with Applications in Wireless Networks

Grant: 5 000 €

He Yang

Aalto University School of Electrical Engineering

Topic: High-repetition-rate Graphene Based Ultrafast Lasers for Telecommunication Applications

Grant: 5 000 €

2014

Mona Aghababae Tafreshi

Tampere University of Technology

Topic: Future 5G Wireless Local Area Connectivity Solutions and SDR Implementation

Grant: 4 000 €

Muhammad Ovais Ahmad

University of Oulu

Topic: Exploring Kanban in Software Companies

Grant: 4 500 €

Tanwir Ahmad

Åbo Akademi University

Topic: Online Model-based Security Testing with Behavioral Fuzzing

Grant: 5 000 €

Markku Antikainen

Aalto University School of Science

Topic: Design and Analysis of Security Protocols

Grant: 5 000 €

Viktar Asadchy

Aalto University School of Electrical Engineering

Topic: Electromagnetic Properties and Applications of Extreme Bi-anisotropic Materials and Layers

Grant: 5 000 €

Hamid Behravan

University of Eastern Finland

Topic: Automatic Dialect and Foreign Accent Recognition

Grant: 5 000 €

Benjamin Byholm

Åbo Akademy University

Topic: Deciding on Optimal Resource Allocations with Real-Time Constraints and Uncertainty: Theory and Practice in Cloud Computing

Grant: 5 000 €

Döne Bugdayci Sansli

Tampere University of Technology

Topic: Methods and Algorithms for Next Generation Video Communications

Grant: 5 000 €

Sergey Chernov

University of Jyväskylä

Topic: Network Management Optimization for Self-organizing Radio Networks

Grant: 5 000 €

Shailesh Singh Chouhan

Aalto University School of Electrical Engineering

Topic: CMOS Circuits for RF Powered, Passive Wireless Sensors

Grant: 5 000 €

Fahimeh Farahnakian

University of Turku

Topic: Hierarchical Multi-Agent Based Architecture for Energy Efficient Cloud Data Centers

Grant: 5 000 €

Junsheng Fu

Tampere University of Technology

Topic: Fast and Robust Camera Pose Estimation in Large Scale 3D Urban Environment

Grant: 5 000 €

Davide Fucci

University of Oulu

Topic: Understanding the Effects of Test-driven Development

Grant: 5 000 €

Alexander Grigorevskiy

Aalto University School of Science

Topic: Long-term Time Series Forecasting for Industrial and Environmental Applications

Grant: 5 000 €

Masoumeh Hasani

Tampere University of Technology

Topic: Nanomaterial Based Rfid-enabled Wireless Sensing Tags

Grant: 5 000 €

Samuli Hemminki

University of Helsinki

Topic: Everyday Mobility and Transportation Behavior Sensing on Mobile Devices

Grant: 5 000 €

Johannes Holvitie

University of Turku

Topic: Technical Debt Management as a Factor in Sustainable and Efficient Software Development

Grant: 5 000 €

Jenni Hukkanen

Tampere University of Technology

Topic: Advanced Statistical Modeling Techniques for Inference and Data Representation

Grant: 5 000 €

Syed Mohammad Asad Hassan Jafri

University of Turku

Topic: VRAP: Virtual Runtime Adaptive Partitions to Support Mixed Criticality Applications on Massively Parallel Architectures

Grant: 5 000 €

Marika Janka

Tampere University of Technology

Topic: Self-alignment Patterning and Passivation Processes in Printed Electronics

Grant: 5 000 €

Emma Jokinen

Aalto University School of Electrical Engineering

Topic: Development and Evaluation of Intelligibility Enhancing Algorithms for Telephone Speech

Grant: 5 000 €

Topi Kaaresoja

The University of Glaskow

Topic: Feedback Is... Late: Investigation of Multimodal Latencies in Mobile Touchscreen Interaction

Grant: 5 000 €

Olli Kauppinen

University of Jyväskylä

Topic: Improving Application and Location-based Push Services with Modes and User Profile

Grant: 5 000 €

Csaba Kertesz

University of Tampere

Topic: Community Driven Artificial Intelligence Development for Sony AIBO

Grant: 5 000 €

Pekka Keränen

University of Oulu

Topic: High Precision Time-to-digital Converter for Applications Requiring Wide Measurement Range

Grant: 5 000 €

Janne Kokkala

Aalto University School of Electrical Engineering

Topic: Computational Methods for Classification of Codes

Grant: 5 000 €

Suvi Lehtimäki

Tampere University of Technology

Topic: Printable Supercapacitors for Energy Harvesting

Grant: 5 000 €

Jaakko Leppäniemi

Aalto University School of Science

Topic: Printed Electronics Components and Devices - Memories and Logic

Grant: 5 000 €

Petri Luoto

University of Oulu

Topic: Performance Analysis and Optimization of Future Heterogeneous Networks

Grant: 5 000 €

Anna Luusua

University of Oulu

Topic: Experiencing and Designing Digitally Augmented Urban Places

Grant: 4 000 €

Eric Malmi

Aalto University School of Science

Topic: Computational Methods for the Reconstruction and Analysis of Family Trees

Grant: 5 000 €

Radu Mariescu-Istodor

University of Eastern Finland

Topic: Handling Location-based Data

Grant: 5 000 €

Anna-Liisa Mattila

Tampere University of Technology

Topic: Visualizations for Software Analytics

Grant: 5 000 €

Harri Merisaari

University of Turku

Topic: Improvement of Quantitative Precision in MR and PET Imaging

Grant: 5 000 €

Konstantin Mikhaylov

University of Oulu

Topic: Modular Platform for Wireless Sensor and Actuator Networks and Internet of Things

Grant: 5 000 €

Mirko Myllykoski

University of Jyväskylä

Topic: Fast Direct Solvers for GPUs

Grant: 5 000 €

Olli Mämmelä

University of Oulu

Topic: Advanced Decision Algorithms for Managing the Increasing Amount of Mobile Data and Number of Users in Future Mobile Networks

Grant: 3 000 €

Irina Nefedova

Aalto University School of Electrical Engineering

Topic: Dielectric Property Measurements of Nanomaterials at 0.1-1 THz

Grant: 5 000 €

Reino Niskanen

University of Liverpool

Topic: Reachability in Context of Robot Games

Grant: 5 000 €

Henri Jaakko Julius Nurminen

Tampere University of Technology

Topic: Bayesian Probabilistic Models and Mathematical Methods in Hybrid Indoor Positioning

Grant: 5 000 €

Inna Pereverzeva

Åbo Akademy University

Topic: Formal Development of Resilient Autonomic Distributed Systems

Grant: 5 000 €

Tapani Pihlajamäki

Aalto University School of Electrical Engineering

Topic: Parametric Spatial Sound Reproduction and Synthesis for Virtual Realities

Grant: 5 000 €

Jonne Pohjankukka

University of Turku

Topic: Efficient Utilization of Big Data with Machine Learning Methods

Grant: 5 000 €

Younes Radi

Aalto University School of Electrical Engineering

Topic: "Optimal Materials" for Interactions with Electromagnetic Fields

Grant: 5 000 €

Orod Raeesi

Tampere University of Technology

Topic: Channel Non-Reciprocity in the Future Energy and Spectrally Efficient "Massive MIMO": Analysis and Mitigation

Grant: 4 000 €

Sanaz Rahimi Moosavi

University of Turku

Topic: Scalable and Lightweight Security Solutions for Internet of Things-Based Healthcare

Grant: 5 000 €

Jayaprakash Rajasekharan

Aalto University School of Electrical Engineering

Topic: Game-Theoretic Modeling of Cooperative Behaviour in Cognitive Radio and Smart Grid Systems

Grant: 5 000 €

Kimmo Aleksi Rasilainen

Aalto University School of Electrical Engineering

Topic: Antennas for Future Mobile Handsets and Wireless Sensors

Grant: 5 000 €

Erika Reponen

University of Lapland

Topic: Mobile Video Communication

Grant: 5 000 €

Janne Riekkinen

University of Jyväskylä

Topic: Legal and Illegal Digital Content Downloading - Integrating the Behavioral Information Systems

Frameworks

Grant: 5 000 €

Antti Riikonen

Aalto University School of Electrical Engineering

Topic: Empirical Analysis of the Diffusion and Usage of Mobile Devices

Grant: 5 000 €

Enrico Roverato

Aalto University School of Electrical Engineering

Topic: All-Digital Wideband Transmitters for Cellular Applications

Grant: 5 000 €

Olli Rummukainen

Aalto University School of Electrical Engineering

Topic: Multimodal Perception in Reproduced Environments: Models and Metrics

Grant: 5 000 €

Samuel Rönqvist

Åbo Akademi University

Topic: Text Analytics for Financial Risk

Grant: 5 000 €

Sumudu Samarakoon

University of Oulu

Topic: Energy Efficient Interference Coordination for Self-Organizing Small-Cells Networks

Grant: 5 000 €

Ionut Schiopu

Tampere University of Technology

Topic: Depth-Map Image Compression

Grant: 5 000 €

Shahriar Shahabuddin

University of Oulu

Topic: MIMO Baseband Signal Processing Architectures for 5G

Grant: 5 000 €

Alireza Shams Shafigh

University of Oulu

Topic: Networking Paradigms for Future High Density Wireless Networks

Grant: 5 000 €

Jinsong Song

Aalto University School of Electrical Engineering

Topic: On Passive Wireless Sensors

Grant: 5 000 €

Ilkka Törmä

University of Turku

Topic: Structural and Computational Existence Results for Multidimensional Subshifts

Grant: 5 000 €

Sri Harsha Vathsavayi

Tampere University of Technology

Topic: Applying Search-based Techniques for Software Architecture Design and Planning

Grant: 5 000 €

Timo Viitanen

Tampere University of Technology

Topic: Optimized Tree Construction and Primitive Intersection Hardware for Mobile Real-Time Ray Tracing

Grant: 5 000 €

Juha Ylioinas

University of Oulu

Topic: Discriminative and Robust Methods for Face Recognition in the Wild

Grant: 5 000 €

2013

Karthikeya Acharya

Aalto University School of Art and Design

Topic: Design Implications from the Domestic Electric: As Products, Practices and Place

Grant: 5 000 €

Anton Akusok

Aalto University School of Science

Topic: Machine Learning for Internet Security

Grant: 5 000 €

Hirley Alves

University of Oulu

Topic: On the Performance and Energy Efficiency Analysis of Full-Duplex Schemes

Grant: 5 000 €

Somaya Arianfar

Aalto University School of Electrical Engineering

Topic: Speed Matters- Revisiting the Internet Architecture

Grant: 5 000 €

Adnan Ashraf

Åbo Akademi University

Topic: Cost-Efficient Virtual Machine Provisioning for Multi-tier Web Applications and Video Transcoding

Grant: 5 000 €

Michal Cierny

Aalto University School of Electrical Engineering

Topic: Interference Management for Wireless Cellular Networks

Grant: 5 000 €

Symeon Delikaris-Manias

Aalto University School of Electrical Engineering

Topic: Symeon Parametric Spatial Audio Coding Algorithms for Post-filtering Applications and Sound-field Reproduction

Grant: 5 000 €

Natalia Diaz Rodriguez

Åbo Akademi University

Topic: Semantic and Fuzzy Modelling of Human Behaviour in Smart Spaces. A case study on Ambient Assisted Living

Grant: 5 000 €

Yi (Aaron) Ding

University of Helsinki

Topic: Enabling Efficient and Collaborative Traffic Management for Mobile Systems

Grant: 5 000 €

Masoumeh Ebrahimi

University of Turku

Topic: Reliable Interconnection Network from Unreliable Components for Many-Core Embedded Systems

Grant: 5 000 €

Fabian Fagerholm

University of Helsinki

Topic: Software Process Ergonomics: Enhancing Software Developer Experience in Open Environments

Grant: 3 500 €

Nuwan Suresh Ferdinand

University of Oulu

Topic: Lattice Codes for Cooperation: Theory, Security and Practical Perspectives

Grant: 5 000 €

Mihail Georgiev

Tampere University of Technology

Topic: Fusion of 2D Video and Depth Data Captured by Time-of-flight Devices in Poor Sensing Environments

Grant: 5 000 €

Jorge Goncalves

University of Oulu

Topic: Designing Technology to Foster Participation In-the-Wild

Grant: 5 000 €

Aki Hakkarainen

Tampere University of Technology

Topic: Analysis and Mitigation Methods of RF Imperfections in Beamforming

Grant: 5 000 €

Xin He

University of Oulu

Topic: Optimal Rate-Distortion Allocation for Wireless Sensor Networks Based on CEO Problem

Grant: 5 000 €

Petri Heljo

Tampere University of Technology

Topic: Printed Organic Diodes for RF and Logic Applications

Grant: 5 000 €

Daniel Herrera Castro

University of Oulu

Topic: Computer Vision Methods for Computational Photography and Free Viewpoint Rendering

Grant: 5 000 €

Juho Hirvonen

Aalto University School of Science

Topic: Lower Bounds in Distributed Computing

Grant: 5 000 €

Johannes Holvitie

University of Turku

Topic: Technical Debt Management as a Factor in Sustainable and Efficient Software Development

Grant: 5 000 €

Xiaohua Huang

University of Oulu

Topic: Emotion Recognition from Facial Expressions for Affective Human-computer Interaction

Grant: 4 000 €

Muhammad Nazrul Islam

Åbo Akademi University

Topic: Optimizing the End User Experiences and Usability of Web Applications

Grant: 5 000 €

Syed Mohammad Asad Hassan Jafri

University of Turku

Topic: Private Configuration Environments for Massively Parallel Architectures. Thesis Explores Various Virtualization Techniques to Enhance the Application Efficiency on Massively Parallel Architectures

Grant: 5 000 €

Michal Joachimiak

Tampere University of Technology

Topic: Compression Oriented 3D Video Processing

Grant: 5 000 €

Fareed Ahmed Jokhio

Åbo Akademi University

Topic: Video Transcoding with Parallel and Distributed Computation

Grant: 5 000 €

Emma Jokinen

Aalto University School of Electrical Engineering

Topic: Development and Evaluation of Intelligibility Enhancing Post-filtering Algorithms for Narrowband Telephone Speech

Grant: 5 000 €

Satya Krishna Joshi

University of Oulu

Topic: Radio Resource Management in Wireless Communication Networks (From the Optimal (Centralized) Solution towards Distributed Implementations)

Grant: 5 000 €

Tomi Juhola

University of Turku

Topic: Agile Software Development Methods as Innovation Drivers

Grant: 5 000 €

Ossi Kaltiokallio

Aalto University School of Electrical Engineering

Topic: Gaining Situational Awareness in Indoor Environments Through Wireless Communications

Grant: 5 000 €

Afroza Khatun

Aalto University School of Electrical Engineering

Topic: Advanced Scanning Techniques for Field Synthesis and Near-field Antenna Measurements

Grant: 5 000 €

Ashik Mathew Kizhakkepallathu

Aalto University School of Electrical Engineering

Topic: Combinatorial Algorithms for Some Packing, Covering and Tiling Problems

Grant: 5 000 €

Jukka Komulainen

University of Oulu

Topic: 2D Face Biometrics under Spoofing Attacks

Grant: 5 000 €

Eveliina Koski

Tampere University of Technology

Topic: Nanofabrication and Characterisation of Templated Quantum Dot Arrays for Cellular Automata

Grant: 5 000 €

Karoliina Koski

Tampere University of Technology

Topic: Issues in RFID-Enabled Body-Centric Wireless Systems

Grant: 5 000 €

Liisa Kuparinen

University of Jyväskylä

Topic: Designing Mobile Map Services: the Viewpoint of Spatial Cognition in Navigation

Grant: 5 000 €

Keeth Laddu

University of Oulu

Topic: Energy Efficient Wireless Systems with Cooperative Relays, MIMO, and Physical Layer Network Coding

Grant: 5 000 €

Arto Lehtiniemi

Tampere University of Technology

Topic: Iterative Design and User Evaluation of Music Discovery Concepts

Grant: 5 000 €

Markus Leinonen

University of Oulu

Topic: Distributed Cross-layer Optimization in Energy Efficient Data Gathering Wireless Sensor Networks

Grant: 5 000 €

Lakmal Liyanage

University of Oulu

Topic: Secure Virtual Network Architectures for Future Telecommunication Networks

Grant: 5 000 €

Matteo Maggioni

Tampere University of Technology

Topic: Adaptive Nonlocal Signal Restoration and Enhancement Techniques for High-dimensional Data
Grant: 5 000 €

André Mansikkaniemi

Aalto University School of Electrical Engineering

Topic: Unsupervised Language Model Adaptation for Automatic Speech Recognition

Grant: 5 000 €

Rakesh Mehta

Tampere University of Technology

Topic: Visual Recognition from Still Images Using Textural Cues

Grant: 5 000 €

Pavlo Molchanov

Tampere University of Technology

Topic: Radar Target Classification: Spectral Approach

Grant: 5 000 €

Elham Moradi

Tampere University of Technology

Topic: RFID Based Telemetry in Body-Centric Sensing Systems

Grant: 5 000 €

Niko Mäkitalo

Tampere University of Technology

Topic: Coordinating Devices and Smart Objects in Mobile Clouds

Grant: 4 000 €

Suneth Namal Karunarathna

University of Oulu

Topic: Secure Mobility Management in Future Heterogeneous Software Defined Networks

Grant: 5 000 €

Pia Nurkka

Tampere University of Technology

Topic: The Notion of User Values: The Effect of Customization on User Experience

Grant: 5 000 €

Jaakko Ojaniemi

Aalto University School of Electrical Engineering

Topic: Data Assimilation and Mapping Tools for Radio Environment Modeling

Grant: 5 000 €

Sergii Ostroumov

Åbo Akademi University

Topic: Rigorous Design and Efficient Implementation of Agent-based Management Systems for Many-Core Platforms

Grant: 5 000 €

Tomas Pfister

University of Oxford

Topic: Automatic Recognition of Sign Language

Grant: 5 000 €

Iuliia Prokhorova

Åbo Akademi University

Topic: Rigorous Development of Safety-Critical Systems

Grant: 5 000 €

Hamed Rezazadegan Tavakoli

University of Oulu

Topic: Saliency Detection in Images and Videos

Grant: 5 000 €

Pilar Rodriguez

University of Oulu

Topic: Combining Lean Thinking and Agile Software Development: How Do Software-Intensive Companies Use Them in Practice?

Grant: 5 000 €

Enrico Roverato

Aalto University School of Electrical Engineering

Topic: All-Digital Wideband Transmitters for Mobile Applications

Grant: 5 000 €

Olli Saarikivi

Aalto University School of Science

Topic: Automated Testing Methods for Concurrent Software

Grant: 5 000 €

Christian Schuss

University of Oulu

Topic: Modelling and Optimisation of Energy Harvesting from Renewable Energy Resources

Grant: 5 000 €

Vasilii Semkin

Aalto University School of Electrical Engineering

Topic: Reconfigurable Antenna Arrays and Radio-wave Propagation for High-capacity Millimeter-wave Communications

Grant: 5 000 €

Hadi Soleimany

Aalto University School of Science

Topic: Analysis of Lightweight Cryptographic Constructions

Grant: 5 000 €

Henna Suomi

Aalto University School of Electrical Engineering

Topic: Techno-economic Feasibility Analysis of Multipath Protocols in the Internet

Grant: 5 000 €

Mahbubul Syeed

Tampere University of Technology

Topic: Comprehending Co-evolution of OSS Projects: Analytical Methods and Tool Support

Grant: 4 000 €

Andrei Tabarcea

University of Eastern Finland

Topic: Location-based Applications

Grant: 5 000 €

Tuukka Takala

Aalto University School of Science

Topic: Software Platform for Developing 3D User Interfaces

Grant: 5 000 €

Almamy Touray

University of Jyväskylä

Topic: Sustainable Solutions for Last Mile Internet Access: Critical Success Factors

Grant: 5 000 €

Tommi Tuovinen

University of Oulu

Topic: UWB Antennas and Radio Channel Measurements for Use in Wireless Body Area Networks

Grant: 5 000 €

Karol Waga

University of Eastern Finland

Topic: Context Aware Recommendation of Location-based Data

Grant: 5 000 €

Paul Wagner

Aalto University School of Science

Topic: Unifications in Reinforcement Learning, with Applications to Humanoid Virtual Actor Design

Grant: 5 000 €

Sri Harsha Vathsavayi

Tampere University of Technology

Topic: Applying Search-based Techniques for Software Architecture Design and Planning

Grant: 5 000 €

Janis Werner

Tampere University of Technology

Topic: Sensing, Localization and Accessing Spatial Spectrum Holes in Cognitive Radio Networks

Grant: 5 000 €

Arto Vihavainen

University of Helsinki

Topic: Evidence-driven Programming Education

Grant: 5 000 €

Zhengzhe Wu

University of Eastern Finland

Topic: Spectral Image Segmentation and Object Recognition, a Combined Approach

Grant: 5 000 €

Johanna Ylipulli

University of Oulu

Topic: Adoption and Meanings of Ubiquitous Technology in Northern Urban Space

Grant: 5 000 €

Nan Zhang

Aalto University School of Electrical Engineering

Topic: Techno-economic Analysis of Internet Content Delivery Technologies

Grant: 5 000 €

2012

Aflaki Beni Payman

Topic: Asymmetric Stereoscopic 3D Video Compression

Grant: 5 000 €

Alahdab Salim

Topic: A High Resolution Time-to-Digital Converter (TDC) Based On a Cyclic Time Domain Successive Approximation Interpolation Method for All Digital Frequency Synthesis

Grant: 5 000 €

Anteroinen Johanna Katariina

Topic: Electrical Properties and Applications of Graphene Devices

Grant: 5 000 €

Ashraf Adnan

Topic: Cost-Efficient Resource Allocation for Multi-tier Web Applications in a Cloud Environment

Grant: 5 000 €

Bhattacharya Sourav

Topic: Enriching Sensor Data on Mobile Platform - A Machine Learning Approach

Grant: 5 000 €

Chang Zheng

Topic: Energy and Spectral Efficient Solutions for OFDMA Wireless Networks

Grant: 5 000 €

Cochez Michael Serge Lia

Topic: Application of Evolutionary Computing in the Context of Ontology Optimization

Grant: 5 000 €

Costa Mario

Topic: Efficient Signal Processing Techniques for Smart Multi-Antenna Systems

Grant: 5 000 €

Cui Yanqing

Topic: Social Networking Services on Mobile Devices: User Interface Designs and User Experience Studies

Grant: 5 000 €

Dahlberg Krista Hannele

Topic: Measurements and Characterisation of Millimeter Wave Schottky Diodes

Grant: 5 000 €

DING Yi

Topic: Enabling Efficient and Collaborative Traffic Management for Mobile Systems

Grant: 5 000 €

Ebrahimi Masoumeh

Topic: Robust on-Chip Interconnect Network using Learning Approaches

Grant: 5 000 €

Ekman Inger Margareta

Topic: Game Sound Design

Grant: 5 000 €

Farhan Muhammad

Topic: Signal and Image Processing Methods for Systems Biology

Grant: 5 000 €

Ferdinand Nuwan Suresh

Topic: Analyze and Design of Cooperative Networks

Grant: 5 000 €

Goncalves Jorge

Topic: Designing Technology to Foster Participation in the Wild

Grant: 5 000 €

Grönroos Stefan Andreas

Topic: Efficient Algorithms for Reconfigurable Software-Based Multimedia Delivery Platforms

Grant: 5 000 €

Hadaytullah Hadaytullah

Topic: Genetically Self-adaptive Software Systems

Grant: 5 000 €

Heinimäki Teemu Johannes

Topic: Improving Game AI Quality

Grant: 5 000 €

Heittola Toni Kristian

Topic: Methods for Computational Auditory Scene Analysis and Synthesis

Grant: 5 000 €

Holmbom Annika Helena

Topic: Customer Segmentation with Data Mining Methods - From Vast Amount of Data to Actual Knowledge

Grant: 5 000 €

Hyrnsalmi Sami Tapani

Topic: Emergence of Digital Software Marketplaces

Grant: 5 000 €

Jacob Mathecken, Philip John Pramod

Topic: Study of RF-Impairments in Modern Telecommunication Systems: Analysis and Compensation Techniques

Grant: 5 000 €

Jokhio Fareed Ahmed

Topic: Video Transcoding with Parallel and Distributed Computation

Grant: 5 000 €

Joshi Satya Krishna

Topic: Radio Resource Management in Wireless Communication Networks - From the Optimal (Centralized) Solution Towards Distributed Implementations

Grant: 5 000 €

Juliano Nardelli, Pedro Henrique

Topic: Spatial Spectral Efficiency in Wireless Networks

Grant: 5 000 €

Juvonen Antti

Topic: Data Mining Solutions for Enhancing Network Data Security

Grant: 5 000 €

Kallio Mikko Aleksi

Topic: Real-world Applications of Randomization Methods in Data Mining

Grant: 5 000 €

Kamali Maryam

Topic: Formal Methods for the Analysis of Wireless Sensor Networks

Grant: 5 000 €

Kanth Rajeev Kumar

Topic: Analysis, Design and Life Cycle Assessment of Printed Antenna

Grant: 5 000 €

Karhila Reima

Topic: Adaptation of Statistical Speech Synthesis Using Suboptimal Data

Grant: 5 000 €

Katsigiannis Michail

Topic: The Evolution of Radio Access Networks: Economical Insights for Finnish Mobile Operators

Grant: 5 000 €

Kaufman Brett

Topic: Analog and Digital Techniques of Self-Interference Cancellation for Full-Duplex Communication

Grant: 5 000 €

Kaur Puneet

Topic: Open Service Innovation for Digital Services

Grant: 5 000 €

Khatun Afroza

Topic: Advanced Scanning Techniques for Field Synthesis and Near-field Antenna Measurements

Grant: 5 000 €

Kuusinen Antti Veikko Olavi

Topic: Perception of Music in Performance Spaces - Search for the Best Acoustics

Grant: 5 000 €

Lagerspetz Eemil Henrik

Topic: Context-aware Collaborative Energy Efficiency Solutions

Grant: 5 000 €

Laine Markku Pekka Mikael

Topic: Unified Web Application Development: A Presentation-Centric Approach Based on Declarative Languages

Grant: 5 000 €

Leinonen Markus Kristian

Topic: Distributed Cross-layer Optimization in Wireless Sensor Networks

Grant: 5 000 €

Levä Tapio

Topic: Diffusion of Communication Protocols in the Internet

Grant: 5 000 €

Liyanage Lakmal Madhusanka

Topic: Performance Cost of Security in Future Telecommunication Networks

Grant: 5 000 €

Maglyas Andrey

Topic: Overcoming Complexity of Software Product Management

Grant: 5 000 €

Mahmood Aamir

Topic: Enabling Time Synchronized and Interference-Aware Initialization of Wireless Sensor Networks

Grant: 5 000 €

Niemelä Ville Johannes

Topic: Enabling Future Wireless Healthcare Systems

Grant: 5 000 €

Niittynen Juha

Topic: Performance and Reliability of Printable Electronics

Grant: 5 000 €

Nikou Shahrokh

Topic: Opening the Black-box of IT Artifacts: Looking into Mobile Service Characteristics and Individual Perception

Grant: 5 000 €

Nygren Eeva Liisa

Topic: Increasing Motivation Towards Mathematics Through Educational Games

Grant: 5 000 €

Nyländen Teemu Ilmari

Topic: Energy Efficient Signal Processing Hardware Implementations for Future Wireless Systems

Grant: 5 000 €

Oksanen Jan Henrik Salomo

Topic: Spectrum Sensing and Access Policies for Cognitive Radio

Grant: 5 000 €

Pepe Antonietta

Topic: Computational Models and Mathematical Representations of 3D Shapes

Grant: 5 000 €

Pereverzeva Inna

Topic: Formal Development of Resilient Autonomic Distributed Systems

Grant: 5 000 €

Pervilä Mikko Antti Tapani

Topic: Data Center Energy Retrofits

Grant: 5 000 €

Pettersson Ville Hermann

Topic: Graph Algorithms for Routing and Domination Problems

Grant: 5 000 €

Pouke Matti Reijo Juhani

Topic: Activity Data Visualisation in 3D Virtual Environments

Grant: 5 000 €

Putala Jussi Mikael

Topic: Reliability of Electronics Interconnections and Their Prognostic Monitoring Methods in Novel Applications

Grant: 5 000 €

Raitoharju Matti Samuli

Topic: Mathematical Methods for Indoor Positioning

Grant: 5 000 €

Rasilo Heikki Ville Tapani

Topic: Creating an Articulatory Model and a Speech Acquisition Mechanism for a Learning Virtual Infant, LeVI

Grant: 5 000 €

Rezaei Mohammad

Topic: Clustering of Location-based Data

Grant: 5 000 €

Ruotsalainen Laura Maria

Topic: Visual-aided Navigation in Smartphones for Challenging GNSS Signal Environments

Grant: 5 000 €

Salo Markus

Topic: Explaining Extreme Experiences of Mobile Interaction with the Real World

Grant: 5 000 €

Sarlin Peter Sebastian Johan

Topic: Financial Stability Surveillance with Computational Intelligence

Grant: 5 000 €

Sipola Tuomo Severi

Topic: Spectral Signature Extraction from High-dimensional Manifolds

Grant: 4 000 €

Syed M.M. Mahbubul

Topic: Comprehending Co-evolution of Open Source Software (OSS) Projects: Analytical Methods and Tool Support

Grant: 3 500 €

Tamrakar Sandeep

Topic: New Applications of Mobile Trusted Computing and NFC

Grant: 5 000 €

Tchamov Nikolay Nikolaev

Topic: Optimization of OFDM Receivers in the Presence of Phase Noise

Grant: 5 000 €

Thombre Sarang

Topic: Test-bench for Automated Testing of GNSS Receivers

Grant: 5 000 €

van Heeswijk Mark

Topic: Scalable Machine Learning Algorithms on Massively Parallel Architectures

Grant: 5 000 €

Venkatraman Ganesh

Topic: Resource Allocation for Users in LTE - A Systems

Grant: 5 000 €

Vilkamo Juha Tapio

Topic: Advanced Adaptive Perceptual Spatial Sound Processing Methods

Grant: 5 000 €

Vuorela Samu Jeremias

Topic: Determining, Analysing and System-level Modelling of the Reliability of Power Supplies for LED Applications

Grant: 5 000 €

Wagner Paul Juha

Topic: Unifications in Reinforcement Learning, with Applications to Humanoid Virtual Actor Design

Grant: 5 000 €

Wei Lu

Topic: Spectrum Management for Future Wireless Systems

Grant: 5 000 €

Xiaohua Huang

Topic: Emotion Recognition from Facial Expressions for Affective Human-computer Interaction

Grant: 5 000 €

2011

Abbors Fredrik Mikael

Topic: Model-based Performance Testing of Telecommunication Systems

Grant: 5 000 €

Ahlroth Lauri Ilmari

Topic: Combinatorial Optimization Under Uncertainty

Grant: 5 000 €

Andreev Sergey

Topic: Energy Efficiency Optimization for Modern Wireless Networks

Grant: 5 000 €

Björne Jari Kristian

Topic: Extraction of Scientific Knowledge from Textual and Experimental Data

Grant: 5 000 €

Bordallo López Miguel

Topic: Designing for Image-based 3D Interactivity

Grant: 5 000 €

Casey Thomas Robert

Topic: Value Network Dynamics and Evolution of Mobile Access Provisioning

Grant: 5 000 €

Cauduro Dias de Paiva Rafael

Topic: Real-time Simulation of Vintage Analog Audio Electronics

Grant: 5 000 €

Chen Minjie

Topic: Compression of GPS Trajectories

Grant: 5 000 €

Fagerlund Seppo Ilmari

Topic: Methods and Systems for Natural Audio Event Detection

Grant: 5 000 €

Ferreira Denzil

Topic: AWARE: Application Warehouse for Awareness Research & Engineering

Grant: 5 000 €

Gamper Hannes

Topic: Interactive Audio Augmented Reality

Grant: 5 000 €

Ginzboorg Philip

Topic: Traffic Control in Challenged Networks

Grant: 5 000 €

Grönroos Stefan Andreas

Topic: Efficient Algorithms for Reconfigurable Software-based Multimedia Delivery Platforms

Grant: 5 000 €

Guo Yimo

Topic: Local Texture Descriptors for Image and Video Analysis

Grant: 5 000 €

Herrera Daniel

Topic: Transparency Aware Free Viewpoint Rendering

Grant: 5 000 €

Holm Jukka Antero

Topic: Visualizations of Music Collections Based on Metadata: Concepts and User Studies

Grant: 5 000 €

Hyrnsalmi Sami Tapani

Topic: Recognizing Components with High Risk on Security

Grant: 5 000 €

Jin Lina

Topic: Quality Assessment for 2D and 3D Image & Video

Grant: 5 000 €

Juliano Nardelli, Pedro Henrique

Topic: Spatial Spectral Efficiency in Wireless Networks

Grant: 5 000 €

Kalwar Santosh

Topic: COMHALEAGLE

Grant: 5 000 €

Karikoski Juuso Olli Aleksi

Topic: Empirical Analysis of Mobile Communication Service Usage Patterns and Related Social Networks

Grant: 5 000 €

Karilainen Antti

Topic: Magnetic Materials, Responses and Currents in Antenna Applications

Grant: 5 000 €

Keronen Sami Antero

Topic: Model Based Noise Robust Speech Recognition Methods

Grant: 5 000 €

Kiayani Adnan Qamar

Topic: Advanced DSP Techniques for RF Impairments Mitigation in Future Radio Devices

Grant: 5 000 €

Kilamo Terhi

Topic: Essential Properties of Open Development Communities

Grant: 5 000 €

Kyrö Mikko Ville

Topic: Millimeter Wave Propagation and Antennas for Wireless Communications Systems

Grant: 5 000 €

Laakso Frans Joel Juhani

Topic: A Study on Performance Enhancements for High Speed Uplink Packet Access

Grant: 4 000 €

Lampinen Airi Miina Inkeri

Topic: Balancing Acts. Interpersonal Management of Privacy and Publicness in Social Network Services.

Grant: 5 000 €

Leppänen Marko Kristian

Topic: Pattern-based Development of Machine Control System

Grant: 5 000 €

Liu Chenghao

Topic: Advances on Multimedia Streaming for Mobile Applications

Grant: 5 000 €

Lorenzo Veiga Beatriz

Topic: Advanced Radio Resource Management for Cellular Networks

Grant: 5 000 €

Lu Xiaojia

Topic: Resource Allocation for Coordinated Multicell MIMO in 3D Channel Models

Grant: 5 000 €

Luoto Markus Antero

Topic: Distributed Information and Decision Framework for Seamless IP Mobility

Grant: 5 000 €

Maglyas Andrey

Topic: Software Product Management in Traditional and Cloud Environments

Grant: 5 000 €

Marttila Jaakko

Topic: Advanced Quadrature Sigma-Delta Modulators for Cognitive Radio Analog-to-Digital Interface

Grant: 5 000 €

Mesaros Annamaria

Topic: Methods for Automatic Singing Voice Identification, Transcription and Alignment

Grant: 5 000 €

Miettinen Pekka Juhani

Topic: Model-order Reduction in Circuit Theory and Electromagnetics

Grant: 5 000 €

Niemelä Ville Johannes

Topic: Enabling Future Wireless Healthcare Systems

Grant: 5 000 €

Nieminen Jari Armas

Topic: Multiple Access Control and Time Synchronization in Delay-Sensitive Multi-Channel Wireless Sensor Networks

Grant: 5 000 €

Oksanen Jan Henrik Salomo

Topic: Spectrum Sensing and Access Policies for Cognitive Radio

Grant: 5 000 €

Olsson Thomas Daniel

Topic: User Experience and Expectations of Mobile Augmented Reality Services

Grant: 5 000 €

Pantisano Francesco

Topic: Self Organization in Two-tier Next Generation Networks

Grant: 5 000 €

Perttula Arttu Turkka Ilmari

Topic: Collective Experience in Co-creational Spaces Through Mobile Devices

Grant: 5 000 €

Pesonen Henri Eerikki

Topic: Robust Positioning Algorithms and Quality Monitoring Using Bayesian Methods

Grant: 5 000 €

Pitaval Renaud-Alexandre

Topic: Analytical Design of Low-complexity MIMO Precoding Codebooks

Grant: 5 000 €

Prokhorova Iuliia

Topic: Integrating Safety Analysis into Development of Software-Intensive Critical Systems

Grant: 5 000 €

Pulkkinen Jenni Karoliina

Topic: MUVIS

Grant: 5 000 €

RahmaniSane AmirMohammad

Topic: Power Analysis and Optimization in 3D-Networks on Chip

Grant: 5 000 €

Raitio Tuomo Johannes

Topic: Hidden Markov Model-Based High-Quality Speech Synthesis Based On Physiological Modeling of Human Voice Production Mechanism

Grant: 5 000 €

Rantanen Ville

Topic: Capacitive Sensing in Human-Technology Interaction Applications

Grant: 5 000 €

Räsänen Okko Johannes

Topic: Unsupervised and Weakly Supervised Methods in Computational Modeling of Language Acquisition

Grant: 5 000 €

Rauf Irum

Topic: Contract-Based Design and Validation of RESTful Web Services using Models

Grant: 5 000 €

Ruotsalainen Laura Maria

Topic: Visual-aided Navigation in Smartphones for Challenging GNSS Signal Environments

Grant: 5 000 €

Salminen Arto Kalervo

Topic: Integrating Web Content into Mashups on Desktop and Mobile Devices

Grant: 5 000 €

Salo Markus Touko Tapani

Topic: Customer Value and Adoption of Mobile Interactions with the Real World

Grant: 5 000 €

Santala Olli Henrik

Topic: Spatial Sound Perception and its Binaural Auditory Modeling

Grant: 5 000 €

Sobocinski Maciej Julian

Topic: Piezoelectric Structures Embedded in Low Temperature Co-fired Ceramic [LTCC]

Grant: 5 000 €

Sonkki Marko Tapani

Topic: Wideband Single and Multielement Antennas for Wireless Applications

Grant: 5 000 €

Stibe Agnis

Topic: Social Web as Persuasive Technology: Features and Factors

Grant: 4 500 €

Tarasyuk Anton

Topic: Formal Stochastic Approaches for Modelling and Verification of Dependable and Resource-constrained Systems

Grant: 5 000 €

Vanhatupa Juha-Matti

Topic: Tool Support for Game Programming

Grant: 5 000 €

Wang Le

Topic: Energy Efficiency on Mobile devices

Grant: 5 000 €

Wei Lu

Topic: Spectrum Management for Future Wireless Systems

Grant: 5 000 €

Xu Thomas Canhao

Topic: myGoogle-on-Chip: Personalized and Shareable Embedded Media Storage System with Integrated Associative Search

Grant: 5 000 €

Xue Qiang

Topic: CO-OP

Grant: 5 000 €

Yadav Animesh

Topic: Wireless Systems with Channel Estimation Errors

Grant: 4 000 €

Yao Zhiyuan

Topic: Customer Behavior Analysis Using Data Mining Techniques

Grant: 5 000 €

Ylipulli Johanna Maria

Topic: Adoption and Meanings of Ubiquitous Technology in Northern Urban Space

Grant: 5 000 €

Yu Qi

Topic: New Machine Learning Methods for Failure and Bankruptcy Prediction

Grant: 5 000 €

Yucetas Mikail

Topic: Electronic Interface Design for Underdamped MEMS Accelerometers

Grant: 5 000 €

Zheng Wukui

Topic: A Novel Structure DMFC for Portable Electronics Systems

Grant: 5 000 €

Zheng Zhong

Topic: Theoretical and Practical Challenges of Extremely Small Underlay Cells

Grant: 5 000 €

Zhu Zijian

Topic: High Dynamic Range Imaging

Grant: 5 000 €

Aflaki Beni Payman

Topic: Asymmetric Stereoscopic Video Coding

Grant: 5 000 €

Aho Timo Markus

Topic: Multi-Target Rule Ensemble Prediction

Grant: 5 000 €

Airola Antti Johannes

Topic: Machine Learning for Intelligent Matching and Knowledge Discovery

Grant: 5 000 €

Airoidi Roberto

Topic: Design of a Highly-parallel Heterogeneous MP-SoCs for Future Wireless Technologies

Grant: 5 000 €

Ajanki Antti Olavi

Topic: Proactive Information Retrieval in Desktop and Mobile Environments

Grant: 5 000 €

Andreev Sergey

Topic: Energy Efficiency Optimization for Modern Wireless Networks

Grant: 5 000 €

Babar Abdul Ali

Topic: Design Techniques and Development of Miniaturized Embedded Antennas for Intelligent RFID Systems and Wireless Sensor Networks.

Grant: 5 000 €

Björninen Toni Markus

Topic: Development of Reliable and Cost Effective Tag Antennas for Passive Far Field RFID Systems

Grant: 5 000 €

Boev Atanas Rumenov

Topic: Quality Measurement and Visual Optimization for 3D Displays

Grant: 5 000 €

Bordallo López Miguel

Topic: Designing for Image-based 3D Interactivity

Grant: 5 000 €

Brumley Billy

Topic: Cache-timing Attack Countermeasures

Grant: 5 000 €

Chen Minjie

Topic: Statistical Methods for Image Denoising and Compression

Grant: 5 000 €

Costa Mário

Topic: Contributions to Signal Processing for Sensor Arrays of Arbitrary Geometry and Wavefield Modeling

Grant: 5 000 €

Curcio Igor Danilo Diego

Topic: QoS Issues in Mobile Multimedia Applications

Grant: 5 000 €

Della Rosa Francescantonio

Topic: Hybrid Positioning Solutions for Heterogeneous Mass Market Receivers

Grant: 5 000 €

Eirola Otto Emil

Topic: Causality and Ensemble Techniques for Environmental Modelling of the Baltic Sea

Grant: 5 000 €

Gamper Hannes

Topic: Interactive Audio Augmented Reality

Grant: 5 000 €

Guang Liang

Topic: Hierarchical Agent Monitoring Design Platform for Adaptive Parallel Embedded Computing

Grant: 5 000 €

Hekkala Atso Eelis

Topic: Compensation of Nonlinear Transmitter in Distributed MIMO Systems

Grant: 5 000 €

Hiipakka Marko Tapio

Topic: Modeling of Peripheral Hearing for Spatial Sound and Headphone Applications

Grant: 5 000 €

Huttunen Arttu Kalevi

Topic: Integrated Microwave Sensors for Portable Devices

Grant: 5 000 €

Hu Feng

Topic: LOCON 2010

Grant: 5 000 €

Ihamäki Pirita Johanna

Topic: Geocaching and Treasure Hunt Concept: Designing and Understanding Player Experience
Doctoral dissertation

Grant: 5 000 €

Ilvonen Janne Tapio

Topic: Reduction of User Effect on Mobile Terminals

Grant: 5 000 €

Janhunen Janne Juhani

Topic: Software Defined Radio for the Next Generation Telecommunication Systems

Grant: 5 000 €

Jurmu Marko Tapio Johannes

Topic: Discover, Lease and Distribute: Decentralized Middleware-level Resource Management for Interactive Public Displays Towards Distributed & Composable Applications

Grant: 5 000 €

Juuso Ilkka Aarne Olavi

Topic: Advanced Visualization Techniques for Large-scale Multimodal Linguistic Data Collections

Grant: 5 000 €

Kamali Maryam

Topic: Formal Methods for Analysis of Wireless Sensor Networks

Grant: 5 000 €

Karikoski Juuso Olli Aleksi

Topic: Empirical Analysis of Mobile Social Media Service Usage and Social Network Formation

Grant: 5 000 €

Kellomäki Tiiti Marja Helena

Topic: Specific Problems Associated with Wearable Antennas

Grant: 5 000 €

Ketonen Johanna Maarit

Topic: Implementation Aspects of MIMO-OFDM Receivers

Grant: 5 000 €

Kilamo Terhi

Topic: Forging Open Source Communities

Grant: 5 000 €

Korhonen Kirsi

Topic: Defect Management and Agile Transformation

Grant: 5 000 €

Kukka Hannu Pekka

Topic: Urban Computing: Ubiquitous and Pervasive Computing in Urban Smart Spaces

Grant: 5 000 €

Kuuskeri Janne Kalevi

Topic: Towards Unified Development Model for Web Applications

Grant: 5 000 €

Kyrö Mikko Ville

Topic: Millimeter Wave Propagation and Antennas for Communication Systems

Grant: 5 000 €

Laanti Maarit Annele

Topic: Dissufion of Agile Methods

Grant: 5 000 €

Latif Khalid

Topic: Design Methodology for Scalable and Application Independent MPSoC Platforms

Grant: 5 000 €

Levanen Toni Aleksi

Topic: Iterative Receiver Algorithms for Future Mobile Communications with Superimposed Structures

Grant: 5 000 €

Lilja Kaisa Elina

Topic: Printed Organic Diodes and their Applications

Grant: 5 000 €

Marttila Jaakko

Topic: Advanced Quadrature Sigma-Delta Modulators for Cognitive Radio Analog-to-Digital Interface

Grant: 4 000 €

Morais de Lima Carlos Héracles

Topic: Opportunistic Resource and Network Management in Autonomous Packet Access Systems

Grant: 5 000 €

Nurkka Piia Eliisa

Topic: The Notion of User Values in User Experience – Tools for Design

Grant: 5 000 €

Oborina Alexandra

Topic: System Level Optimization in Wireless Communications

Grant: 5 000 €

Pennanen Harri Pekka

Topic: Resource Management with Coordinated Multi-Point Transmission for LTE-Advanced

Grant: 5 000 €

Penttinen Jyrki Teppo Juho

Topic: The Planning and Optimisation of DVB-H Radio Network

Grant: 2 000 €

Perttula Arttu Turkka Ilmari

Topic: Collective Experience in Co-creational Spaces Through Mobile Devices

Grant: 5 000 €

Piri Esa Juhani

Topic: Minimizing Network Service Interruptions Caused by Mobility in Heterogeneous Broadband Wireless Networks

Grant: 5 000 €

RahmaniSane AmirMohammad

Topic: Power Analysis and Optimization in 3D-Networks on Chip

Grant: 5 000 €

Raitio Tuomo Johannes

Topic: Hidden Markov Model-Based High-Quality Speech Synthesis Based On Physiological Modeling of Human Voice Production Mechanism

Grant: 5 000 €

Rauf Irum

Topic: Contract Based Testing of REST Web Service Compositions Using Models

Grant: 5 000 €

Razavi Seyed Alireza

Topic: Application of Stochastic Complexity in Signal Processing

Grant: 5 000 €

Rousi Rebekah Ann

Topic: What is User Experience? The User Psychology of Experiencing Design from a Cross-cultural Semiotic Perspective

Grant: 5 000 €

Räihä Outi Kristiina

Topic: Meta-heuristic Search Algorithms in Software Architecture Design

Grant: 5 000 €

Räsänen Okko Johannes

Topic: Unsupervised and Weakly Supervised Methods for Computational Modeling of Language Acquisition

Grant: 5 000 €

Saeidi Rahim

Topic: Discriminative Speaker and Language Recognition

Grant: 5 000 €

Santala Olli Henrik

Topic: Spatial Sound Perception and its Binaural Auditory Modeling

Grant: 5 000 €

Siirtola Pekka Juhani

Topic: Human Action and Activity Recognition Based on the Data of Wearable Inertial Sensors: Methods and Applications

Grant: 5 000 €

Silen Hanna Margareeta

Topic: Development of Improved Corpus-Based Text-to-Speech Methods

Grant: 5 000 €

Sirén Jouni Leo Tapio

Topic: Compressed Full-Text Indexes for Highly Repetitive Collections

Grant: 5 000 €

Su Xiang

Topic: Lightweight Data Exchange and Service Discovery for Pervasive Environments

Grant: 5 000 €

Takala Tommi Juhani

Topic: Model-Based Testing: Industrial Case Studies

Grant: 5 000 €

Tervo Juho Sakari

Topic: Estimation of Reflective Surfaces in Concert Halls

Grant: 5 000 €

Valtonen Miika Antero

Topic: User-centered Measurement and Control Methods for Intelligent Environments

Grant: 5 000 €

van Heeswijk Mark

Topic: Scalable Machine Learning Algorithms on Massively Parallel Architectures

Grant: 5 000 €

Vihavainen Sami Kalle Mikael

Topic: Humans and Automation – Toward Useful Collaboration in Mobile Social Applications

Grant: 5 000 €

Vuokko Niko Taneli

Topic: Significance Testing of Complex Null Hypotheses in Data Mining

Grant: 5 000 €

Weeraddana Pradeep Chathuranga

Topic: Opportunistic Radio Resource Management and Scheduling Methods for Ofdma Wireless Networks

Grant: 3 000 €

Xiao Yu

Topic: Energy-awareness in Mobile Computing

Grant: 5 000 €

Xu Thomas Canhao

Topic: myGoogle-on-Chip: Personalized and Shareable Embedded Media Storage System with Integrated Associative Search

Grant: 5 000 €

Yang Bo

Topic: MicroOS: Operating System for Many-Core Reconfigurable Network-on-Chips (NoCs)

Grant: 5 000 €

Yilmaz Osman Nuri Can

Topic: Self-organization of Future Wireless Networks

Grant: 5 000 €

Yu Chia-Hao

Topic: Opportunistic Mobile Relaying and Agile Resource Usage via Device-to-Device Communication for Cooperative Wireless Communications

Grant: 5 000 €

Yüçetas Mikail

Topic: Sensor Interface Electronics for MEMS

Grant: 5 000 €

Zhang Jie

Topic: Physical Layer Algorithms in Ubiquitous Location and Navigation in the future Telecommunication (PLANT)

Grant: 5 000 €

2009

Ahtinen Hanna-Leena Aino Maria

Topic: User-Centered Design of Mobile Wellness Applications

Grant: 5 000 €

Airoidi Roberto

Topic: Exploration of Multi-Processor System-on-Chip Solutions for Software Defined Radio Applications

Grant: 5 000 €

Aittomäki Tuomas Otto Juhanpoika

Topic: Waveform Diversity in Multiantenna Systems

Grant: 5 000 €

Allen Mark Lee

Topic: Utilization of Inorganic Nanomaterials in Printed Electronics

Grant: 5 000 €

Bhuiyan Mohammad Zahidul Hasan

Topic: Analysis of Multipath Mitigation Algorithms for Satellite-based Positioning

Grant: 5 000 €

Björne Jari Kristian

Topic: Extraction of Scientific Knowledge from Textual and Experimental Data

Grant: 5 000 €

Brumley Billy

Topic: Cache-timing Attack Countermeasures

Grant: 5 000 €

Casey Thomas Robert

Topic: The Value Network Dynamics and Evolution of Mobile Access Provisioning

Grant: 5 000 €

Chaudhari Sachin

Topic: Cognitive Radios for Opportunistic Use of Radio Spectrum

Grant: 5 000 €

Dahlin Andreas Vilhelm

Topic: Energy Efficient Scheduling of Software for Heterogeneous Embedded Systems

Grant: 5 000 €

Daneshtalab Masoud

Topic: Topology Formation and Routing Protocol in Three-Dimensional Network on Chips

Grant: 5 000 €

Dubrovni Jori Juhani

Topic: Software Model Checking

Grant: 5 000 €

Eloranta Veli-Pekka Tapio

Topic: Creating and Evaluating Software Architectures in Machine Industry

Grant: 5 000 €

Ervasti Mari Anne

Topic: User Experience and Acceptance of Ubiquitous Mobile Services – Case Studies with Special User Groups

Grant: 5 000 €

Guang Liang

Topic: Power-Efficient and Dependable Parallel SoCs with Hierarchical Monitoring Services

Grant: 5 000 €

Hakala Risto Matti

Topic: Analysis of Symmetric Encryption Primitives

Grant: 5 000 €

Heikkinen Mikko Ville Juhani

Topic: Techno-Economic Analysis of Mobile Peer-to-Peer Services and Technologies

Grant: 5 000 €

Holm Jukka Antero

Topic: Visualizing Music Collections

Grant: 5 000 €

Hornsby Adrian

Topic: Multimedia System Enhancements for Wireless Networks

Grant: 5 000 €

Husso Mika Juhani

Topic: Technical and Economic Challenges in Femtocell Mass Deployment

Grant: 5 000 €

Hyvärinen Antti Eero Johannes

Topic: Constraint-Based Search in Computational Grids

Grant: 5 000 €

Ilvonen Janne

Topic: Reduction of User Effect on Mobile Terminals

Grant: 5 000 €

Jääskeläinen Pekka Olavi

Topic: Flexible Design Methodologies for Application Specific Processors

Grant: 5 000 €

Kaseva Ville Antero

Topic: Ambient Positioning on Resource Constrained Wireless Sensor Networks

Grant: 5 000 €

Kaufman Brett

Topic: Spectrum Sharing Techniques for Next Generation Cellular Networks

Grant: 5 000 €

Kohonen Oskar Kalevi

Topic: Unsupervised Learning of Structure in Natural Language Utterances

Grant: 5 000 €

Kokko Kati Hannele

Topic: Study of Conformal Coatings in Electronics and Their Impact on Electronics Reliability

Grant: 5 000 €

Komulainen Jere Johannes

Topic: Modular Multi-FPGA Computing Platform

Grant: 5 000 €

Kondrad Lukasz

Topic: Advanced Joint Source Channel Coding for Video Data Transmission

Grant: 5 000 €

Korhonen Hannu Juhani

Topic: Evaluating Playability of Mobile Games with Expert Review Method

Grant: 5 000 €

Kreku Jari Tapio

Topic: Early-phase Performance Evaluation of Computer Systems Using Workload Models and SystemC

Grant: 5 000 €

Kukka Hannu Pekka

Topic: Urban Computing: Ubiquitous and Pervasive Computing in Urban Smart Spaces

Grant: 5 000 €

Kuparinen Liisa Viivi Marjukka

Topic: Spatial Aspects in the Design of Virtual Map Services

Grant: 5 000 €

Kuuskeri Janne Kalevi

Topic: Partitioning Web Applications Between the Client and the Server

Grant: 5 000 €

Latif Khalid

Topic: Design and Implementation of Scalable and Application independent MPSoC platform.

Grant: 5 000 €

Lehtonen Eero Lennart

Topic: Nanoscale Computing in Highly Parallel Array Structures

Grant: 5 000 €

Li Jin

Topic: Advances on Video Coding Algorithms for Mobile Applications

Grant: 5 000 €

Liikkanen Lassi Antero

Topic: Psychological Functions of Memory in Interacting with Music

Grant: 5 000 €

Liitiäinen Elia Ilmari

Topic: Statistical Estimation of Dependencies

Grant: 5 000 €

Linja-aho Martti _Vesa_ Olavi

Topic: Combinatorial Algorithms for NP-hard Problems

Grant: 5 000 €

Liu Yong

Topic: Exploring Factors Driving Users' Adoption of Mobile Learning

Grant: 5 000 €

Lorenzo Veiga Beatriz

Topic: Advanced Radio Resource Management for Cellular Networks

Grant: 5 000 €

Malamal Vadakital Vinod Kumar

Topic: Advanced Video Signal Processing for Video Streaming to Mobile Terminals

Grant: 5 000 €

Miettinen Pekka

Topic: Model-order Reduction in Circuit Theory and Electromagnetics

Grant: 5 000 €

Morais de Lima Carlos Héracles

Topic: Dynamic Resource Management in Autonomous Packet Access Systems

Grant: 5 000 €

Mäntymäki Matti

Topic: Customer Loyalty in Social Virtual Worlds

Grant: 5 000 €

Nieminen Jari Armas

Topic: Time Synchronization of Cognitive Radio Networks

Grant: 5 000 €

Nonchev Stanislav Petromilov

Topic: Advanced Radio Resource Management for Future Multi-User, Multi-Antenna Packet Radio Systems

Grant: 5 000 €

Nousiainen Jarno Eero Tapani

Topic: Forwarding Capacity of a Large Wireless Network

Grant: 5 000 €

Ojala Markus Raito Nikolai

Topic: Algorithmic Aspects of Randomization Methods for Data Mining

Grant: 5 000 €

Ou Zhonghong

Topic: Novel Energy-Efficient Enabling Techniques for Mobile Peer-to-Peer Networking over Heterogeneous Networks

Grant: 5 000 €

Pajarinen Joni Kristian

Topic: Adaptive Machine Learning in Cognitive Radio Systems

Grant: 5 000 €

Parviainen Jussi Tapani

Topic: Multi-sensor Navigation for Land Vehicle

Grant: 5 000 €

Perttunen Mikko Johannes

Topic: Participatory Road Condition Monitoring Using Mobile Phones

Grant: 5 000 €

Peräntie Jani Tapio

Topic: Electrically Induced Thermal and Structural Phenomena in Electroceramics

Grant: 5 000 €

Pätynen Jukka Lauri Iivari

Topic: Modeling of the Orchestra Instruments in Auralization

Grant: 5 000 €

Radun Jenni Emilia

Topic: High-level Image Quality Experience: What is it and How to Measure It?

Grant: 5 000 €

Rantala Ville Tarmo Taneli

Topic: Fault Tolerant Communication Platform for Future 3D Integrated Chips

Grant: 5 000 €

Rapinoja Tapio Ilmari

Topic: An Integrated Multi-standard Frequency Synthesizer for Cognitive Radio Applications

Grant: 5 000 €

Razavi Seyed Alireza

Topic: Application of Stochastic Complexity in Signal Processing

Grant: 5 000 €

Saad-Sulonen Joanna Catherine

Topic: Designing for Citizen Participation – Characteristics and Concepts of ICT-mediated Participation in Urban Issues

Grant: 5 000 €

Samad Md. Farzan

Topic: Enhancing the Usability of Mobile Devices Through Haptic Interaction

Grant: 5 000 €

Sandström Dan, Ilari

Topic: Integrated Radio Transmitter Circuits for Millimeter-wave Frequencies in CMOS

Grant: 5 000 €

Schober Karol

Topic: Precoding for Spatially Multiplexed MIMO Systems

Grant: 5 000 €

Siirtola Pekka Juhani

Topic: Searching and Analyzing Meaningful Shapes of Time Series Signal

Grant: 5 000 €

Singh Varun Ranjit

Topic: Enhance Quality Control in 3G Conversational Video Communication

Grant: 5 000 €

Stirbu Vlad

Topic: User-Centric Web-Based Symbolic Location Information Systems

Grant: 5 000 €

Suutala Jaakko Markus

Topic: Learning Discriminative Models from Structured Multi-sensor Data for Human Context Recognition

Grant: 5 000 €

Tervo Valtteri Topias

Topic: Distributed Decision Making for Future Wireless Communication Systems (DIDES)

Grant: 5 000 €

Tuovinen Lauri Tapio

Topic: A New Model of the Knowledge Discovery Process Based on a Symbiosis of Humans and Technology

Grant: 5 000 €

Ugur Kemal

Topic: Improved Motion Compensated Prediction Methods for Low Complexity, High Quality Video Coding

Grant: 5 000 €

Vaddina Kameswar Rao

Topic: STEMCOMS: Self-Timed Thermal Monitoring and Control of Multicore Systems

Grant: 5 000 €

Vuolle (nee Markova) Anne Maiju

Topic: Evaluating the Impacts of Mobile Business-to-employee Services

Grant: 5 000 €

Weeraddana Pradeep Chathuranga

Topic: Opportunistic Radio Resource Management and Scheduling Methods for OFDMA Wireless Networks

Grant: 5 000 €

Wieringa Siert

Topic: Distributed SAT-based Model Checking

Grant: 5 000 €

Xiao Yu

Topic: Energy-awareness in Mobile Computing

Grant: 5 000 €

Ylirisku Salu Pekka

Topic: Framing Conceptual Innovation

Grant: 5 000 €

2008

Aho Kari Juhani

University of Jyväskylä

Topic: Performance and Performance Enhancements of MBMS and VoIP Services in Next Generation Cellular Networks

Grant: 5 000 €

Ahoniemi Tuukka Johannes

Tampere University of Technology

Topic: Efficient Use of Teaching Technologies with Programming Education

Grant: 5 000 €

Airola Antti Johannes

University of Turku

Topic: Machine Learning for Intelligent Matching and Knowledge Discovery

Grant: 5 000 €

Aittomäki Tuomas Otto Juhanpoika

Helsinki University of Technology

Topic: Waveform Diversity in Multiantenna Systems

Grant: 5 000 €

Belimpasakis Petros

Tampere University of Technology

Topic: Content Sharing in Extended Home

Grant: 5 000 €

Chen Ying

Tampere University of Technology

Topic: Contributions for Scalable and Multiview Extensions to the H.264/AVC

Grant: 5 000 €

Davidyuk Oleg

University of Oulu

Topic: User-Centric Composition of Pervasive Applications

Grant: 5 000 €

Garzia Fabio

Tampere University of Technology

Topic: Design of a Software Environment for the Implementation of 3D Graphics and Multimedia Processing Applications on a Reconfigurable Architecture

Grant: 5 000 €

Guzma Vladimir

Tampere University of Technology

Topic: High and Low-level Scheduling Optimizations for Embedded Systems

Grant: 5 000 €

Hakala Risto Matti

Helsinki University of Technology

Topic: Analysis of Symmetric Encryption Primitives

Grant: 5 000 €

Harjula Erkki Aleksander

University of Oulu

Topic: Performance and Reliability Optimization of Mobile Structured Peer-to-Peer Networks

Grant: 5 000 €

Heikinheimo Hannes Antti Herman

Helsinki University of Technology

Topic: Towards Better Interpretation and Usability of Frequent Pattern Mining Results

Grant: 5 000 €

Heikkinen Mikko Ville Juhani

Helsinki University of Technology

Topic: Techno-Economic Analysis of Mobile Peer-to-Peer Services and Technologies

Grant: 5 000 €

Helander Elina Elisabet

Tampere University of Technology

Topic: New Methods for Voice Conversion and Speech Synthesis

Grant: 5 000 €

Husso Mika Juhani

Helsinki University of Technology

Topic: Technical and Economic Challenges in Femtocell Mass Deployment

Grant: 5 000 €

Härkönen Janne Tapani

University of Oulu

Topic: Managing Verification and Validation Activities in High Tech NPD Process

Grant: 5 000 €

Höyhtyä Marko Tapio

University of Oulu

Topic: Adaptive Transmitter and Power Allocation Strategies in a Cognitive Radio Network

Grant: 5 000 €

Jansson Jussi-Pekka

University of Oulu

Topic: High precision CMOS Time-to-Digital Converter

Grant: 5 000 €

Jokela Tero Tapio

University of Turku

Topic: Analysis and Performance Enhancement of Forward Error Control Coding and Signaling in Wireless DVB Standards

Grant: 5 000 €

Jumisko-Pyykkö Satu Hannele

Tampere University of Technology

Topic: Experience of Audiovisual Quality - Components and Evaluation Methods

Grant: 5 000 €

Jääskeläinen Pekka Olavi

Tampere University of Technology

Topic: Flexible Design Methodologies for Application Specific Processors

Grant: 5 000 €

Kaltiokallio Mikko Henrik

Helsinki University of Technology

Topic: Integrated Radio Frequency Circuits for Unlicensed Radios

Grant: 5 000 €

Kannala Juho

University of Oulu

Topic: Geometric Methods in Computer Vision

Grant: 5 000 €

Kanstrén Teemu Seppo

University of Oulu

Topic: Observation Based Modeling for Model Based Testing

Grant: 5 000 €

Kantee Antti Oskari

Helsinki University of Technology

Topic: Operating Systems as Reusable Libraries

Grant: 5 000 €

Kellokumpu Vili-Petteri

University of Oulu

Topic: Machine Vision for Human Motion Analysis

Grant: 5 000 €

Kivistö Samuli Johannes

Tampere University of Technology

Topic: Laser Transmitters and Amplifiers Based on Novel Fiber Materials

Grant: 5 000 €

Korhonen Teemu Samuli

Tampere University of Technology

Topic: Tracking of Acoustic Targets in Noisy Environment

Grant: 5 000 €

Koskela Timo Mikko Iisakki

University of Oulu

Topic: Implementation and Analysis of the Converged and Socially Networked Next Generation Mobile Services

Grant: 5 000 €

Kropsu-Vehkaperä Hanna Liisa

University of Oulu

Topic: Evolution of Product Structure Through Product Lifecycle - An Analysis on Product Changes

Grant: 5 000 €

Laakso Mikko-Jussi

University of Turku

Topic: The Effectiveness of Automatic Assessment and Visualization in Learning to Program

Grant: 5 000 €

Lehtonen Eero Lennart

University of Turku

Topic: Information Theoretic Approach to Positioning and Coding in Multi-User Channels

Grant: 5 000 €

Liu Yong

Åbo Akademi University

Topic: Exploring Factors Driving Users' Adoption of Mobile Learning

Grant: 5 000 €

Luukkonen Olli

Helsinki University of Technology

Topic: Artificial Impedance Surface Structures and Electromagnetic Materials

Grant: 5 000 €

Macagnano Davide

University of Oulu

Topic: Advanced Techniques for Localization and Tracking of Mobile Wireless Radios

Grant: 5 000 €

Matinmikko Marja Anneli

University of Oulu

Topic: Spectrum Management in Future Wireless Systems

Grant: 5 000 €

Metsä Jani Petteri

Tampere University of Technology

Topic: Improving Testability Using Aspects

Grant: 5 000 €

Minasyan Susanna

Tampere University of Technology

Topic: Fast Adaptive Parametric Transforms Based Methods in Signal Processing and Logic Design

Grant: 5 000 €

Määttä Miia Eveliina

University of Oulu

Topic: Optical Biosensor Based on Self-mixing Interferometry in Wireless Applications

Grant: 5 000 €

Määttä Helka-Liina

Helsinki University of Technology

Topic: Optimizing Gains for MIMO Transmission with Limited Feedback

Grant: 5 000 €

Nigussie Ethiopia Enideg

University of Turku

Topic: Design and Analysis of High-Performance and Robust On-Chip Interconnects for Nano-Scale System-on-Chip

Grant: 5 000 €

Nikunen Karri Erkkä Elias

University of Oulu

Topic: Research for the Calculation Platform made of Wireless Reconfigurable Smart Objects

Grant: 5 000 €

Olsson Thomas Daniel

Tampere University of Technology

Topic: User Experience in Collective Content Interaction

Grant: 5 000 €

Pedone Matteo

University of Oulu

Topic: Image Fusion and Restoration: Generation of Sharp High Dynamic Range Images from a Set of Blurred Exposures

Grant: 5 000 €

Pekkanen Jussi Heikki

Tampere University of Technology

Topic: Sintering Methods of Nano Particles and Utilization of Laser in Printed Electronics Applications

Grant: 5 000 €

Pekkanen Ville Risto

Tampere University of Technology

Topic: Inkjet Printing Technology for Electronics Manufacturing

Grant: 5 000 €

Peltonen Knut Peter Mauritz

University of Helsinki

Topic: Social Networking in the Wild: Mobile Technology and Identity Management

Grant: 5 000 €

Pennanen Harri

University of Oulu

Topic: Enhanced Radio Resource Management Methods with Coordinated Base Station Antenna Systems for IMT-Advanced

Grant: 5 000 €

Pitkänen Mikko Juhani

Helsinki University of Technology

Topic: Delay-tolerant Networking for Multimedia Content Access

Grant: 5 000 €

Poikonen Jussi Henrikki

University of Turku

Topic: Efficient Channel Modeling Methods for Mobile Communication Systems

Grant: 5 000 €

Popesco Corina

Tampere University of Technology

Topic: Formal Modeling, Validation and Verification of Service Oriented Architecture Based Factory Automation Systems

Grant: 5 000 €

Pottonen Olli Mikael

Helsinki University of Technology

Topic: Classification of Combinatorial Designs and Codes

Grant: 5 000 €

Pramila Anu Minna Kaarina

Host: University of Oulu

Topic: Extracting Watermarks with a Camera Phone or a Digital Camera from Printed Images and Holograms

Grant: 5 000 €

Pulakka Hannu Juhani

Helsinki University of Technology

Topic: Digital Signal Processing Methods for the Improvement of Speech Quality and Intelligibility in Mobile Communication Systems

Grant: 5 000 €

Rantala Ville Tarmo Taneli

University of Turku

Topic: Intelligent Communication Platform for Future 3D Integrated Chips

Grant: 5 000 €

Rapinoja Tapio Ilmari

Helsinki University of Technology

Topic: An Integrated Multi-standard Frequency Synthesizer for Cognitive Radio Applications

Grant: 5 000 €

Rautio Timo Jaakko

University of Oulu

Topic: Linearization and Characterization of Supply Modulated RF-transmitters

Grant: 5 000 €

Ruusuvuori Pekka Samuli

Tampere University of Technology

Topic: New Methods for Automated Image Analysis in Microscale Applications

Grant: 5 000 €

Saleemi Muhammad Mohsin

Åbo Akademi University

Topic: System Software and Architectural Aspects of Interactive Mobile TV

Grant: 5 000 €

Schumacher André

Helsinki University of Technology

Topic: Distributed Optimization Techniques for Multihop Wireless Networks

Grant: 5 000 €

Siltanen Samuel Allan

Helsinki University of Technology

Topic: Real-Time Algorithms for Room Acoustics

Grant: 5 000 €

Sjöberg Mats Viktor

Helsinki University of Technology

Topic: Content- and Semantic-based Retrieval of Multimedia Using Self-Organizing Maps

Grant: 5 000 €

Smura Timo Santeri

Helsinki University of Technology

Topic: Techno-economic Analysis of Alternative Mobile Broadband Access Networks

Grant: 5 000 €

Sorjamaa Antti Petteri

Helsinki University of Technology

Topic: Time Series Prediction and Missing Values in Spatio-Temporal Databases

Grant: 5 000 €

Suomela Jukka Olavi

University of Helsinki

Topic: Algorithms for Wireless Sensor Networks

Grant: 5 000 €

Tamminen Aleksi Arimo

Helsinki University of Technology

Topic: Millimeter-wave Indirect Holographic Imaging for Security Applications

Grant: 5 000 €

Tikka Tero Heikki Tapani

Helsinki University of Technology

Topic: Integration of Radio-frequency Circuits for Wideband High Data-rate Radio Systems

Grant: 5 000 €

Tirronen Tuomas Juhani

Helsinki University of Technology

Topic: Development and Analysis of Data Transfer Methods Using Fountain and Erasure Coding

Grant: 5 000 €

Vartiainen Elina Anneli

Helsinki University of Technology

Topic: Designing User Interfaces for Mobile Internet-enabled Devices

Grant: 5 000 €

Voltti Markus Johannes

University of Turku

Topic: Digital Compensation of Device Mismatch in Analog Circuit Blocks

Grant: 5 000 €

Voutilainen Juha-Veikko

University of Oulu

Topic: Proactive Diagnostics of Electronics with Embedded Precursor Behaviour Monitoring

Grant: 5 000 €

Ylioinas Jari Vilho

Host: University of Oulu

Topic: Iterative Joint Detection, Decoding, and Channel Estimation in MIMO-OFDM

Grant: 5 000 €

Zhang Cixun

Tampere University of Technology

Topic: Advanced Video Compression Techniques for Next Generation Video Coding Standard

Grant: 5 000 €

Zhao Qinpei

University of Joensuu

Topic: Cluster Analysis and its Applications on Image and Speech Processing

Grant: 5 000 €

2007

Lasse Juhani Aaltonen

Topic: Mikromekaanisten inertiaalianturien integroitu lukuelektroniikka

Grant: 5 000 €

Timo Juhani Ahonen

Topic: Tekstuurimenetelmien kehitys ja soveltaminen luonnollisten kuvien analysointiin

Grant: 5 000 €

Kari Juhani Aho

Topic: Performance Enhancements on WCDMA and HSPA Networks

Grant: 5 000 €

Simo Sakari Ali-Löytty

Topic: Luotettavien aikasarja-algoritmien kehittäminen henkilökohtaiseen paikannukseen

Grant: 5 000 €

Pekka Heikki Antero Alitalo

Topic: Sub-wavelength Sensing Based on Metamaterials and Resonating Structures

Grant: 5 000 €

Tero Antti Mikael Arpinen

Topic: Järjestelmätason mallinnusmenetelmät ja automaatio sulautetun elektroniikan suunnittelussa

Grant: 5 000 €

Mehdi Bennis

Topic: Novel Approaches to Improve Radio Networks Efficiency

Grant: 5 000 €

Jani Joosefi Boutellier

Topic: New Paradigms for Embedded Computing Systems

Grant: 5 000 €

Giuseppe Destino

Topic: Localization Algorithms and Cross-Layer Optimization for Location-Aware Wireless Networks

Grant: 5 000 €

Suiyan Geng

Topic: Experimental Investigation of Future High Throughput Radios

Grant: 5 000 €

Kaveh Ghaboosi

Topic: Cognitive Medium Access Control Protocols for the Next Generation Wireless Network

Grant: 5 000 €

Eija Marika Haapalainen

Topic: Time Series Modeling in Intelligent Data Mining Applications - Model and Parameter Selection and

Update

Grant: 5 000 €

Topi Haapio

Topic: Improving Effort Management in Software Development Projects

Grant: 5 000 €

Jussi Veijo Hakokari

Topic: Enhancing Applicability of Speech Technology using Core Speech Approach

Grant: 5 000 €

Jari Johannes Hannu

Topic: Elektroniikan sulautettu testaus levy- ja järjestelmätasolla

Grant: 5 000 €

Elina Elisabet Helander

Topic: New Methods for Voice Conversion

Grant: 5 000 €

Simo Sakari Hietakangas

Topic: Käyttöjännitemoduloitujen RF-tehovahvistimien fyysisten rakenteiden ja suunnittelumenetelmien kehittäminen.

Grant: 5 000 €

Heidi Johanna Himmanen

Topic: Langattomien tiedonsiirtojärjestelmien järjestelmäsuunnittelun uudet metodit (New Approach on Wireless Communication Systems Design: A Case Study on Mobile Broadcasting)

Grant: 5 000 €

Juha Holopainen

Topic: Älykkyys emergenteissä järjestelmissä

Grant: 5 000 €

Sanna Katariina Härmä

Topic: Akustisiin pinta-aaltoihin perustuvan RFID-tunnisteen suunnittelu

Grant: 5 000 €

Tero Johannes Ihalainen

Topic: Spectrally and Power Efficient Waveforms for Future Cellular Systems

Grant: 5 000 €

Tero Tapio Jokela

Topic: Virheenkorjauksen suunnittelu ja tehokkuuden arvioiminen sekä parantaminen erilaisissa tiedonsiirto- ja piiritason sovelluksissa

Grant: 5 000 €

Elina Inkeri Jokisuu

Topic: Sosiaalinen media ikäihmisten yhteisöllisyyden edistäjänä

Grant: 5 000 €

Aarne Anton Ilmari Juva

Topic: Liikennematriisin estimointi

Grant: 5 000 €

Matti Juhani Järvisalo

Topic: Rakenteisten kombinatoristen ongelmien ratkaisumenetelmät

Grant: 5 000 €

Kimmo Kalevi Kaija

Topic: Mikroelektroniikan pakkaustekniikan laskennallinen mallintaminen

Grant: 5 000 €

Mikko Henrik Kaltiokallio

Topic: Lisensoimattomat integroidut radiotaajuusetaupääpiirit

Grant: 5 000 €

Juho Tapani Kannala

Topic: Geometriset menetelmät tietokonenäössä

Grant: 5 000 €

Otso Atte Kassinen

Topic: Novel Solutions for Session Management in Hybrid Peer-to-Peer Systems

Grant: 5 000 €

Tero Tapani Kiuru

Topic: Millimetriaaltoalueen komponenttien tutkimus ja mallinnus

Grant: 5 000 €

Samuli Kivistö

Topic: Uudenlaisiin optisiin kuitumateriaaleihin perustuvat laserlähetimet ja vahvistimet

Grant: 5 000 €

Kimmo Niklas Olavi Kokkonen

Topic: Phase Sensitive Measurements of Surface Vibrations Using Scanning Heterodyne Laser Interferometry

Grant: 5 000 €

Kati Hannele Kokko

Topic: Elektroniikan miniatyrisointi lääketieteellisissä sovelluksissa

Grant: 5 000 €

Veli-Matti Kolmonen

Topic: Semi-automatic Radio Channel Parameter Extraction

Grant: 5 000 €

Mikko Sakari Komulainen

Topic: Säättötekniikat tulevaisuuden tietoliikenneantenneissa

Grant: 5 000 €

Teemu Matti Johannes Koponen

Topic: Data-Oriented (and Beyond) Network Architecture

Grant: 5 000 €

Niko Kotilainen

Topic: Mobiililaitteiden liikkuvuuden hyödyntäminen reitityksessä

Grant: 5 000 €

Jussi Antero Kujala

Topic: Efficient Learning and Limits in Online Problems with Focus on Binary Search Trees

Grant: 5 000 €

Essi Maaria Lahtinen

Topic: Ohjelmoinnin perusteiden oppimisen ongelmat ja niiden helpottaminen visualisointien avulla

Grant: 5 000 €

Heidi-Maria Lehtonen

Topic: Analysis, Perception, and Synthesis of Piano Tones

Grant: 5 000 €

Teijo Tapani Lehtonen

Topic: Tulevaisuuden nanoskalaisten sirujen suunnittelu vikasietoisiksi

Grant: 5 000 €

Juha Mikael Leino

Topic: Stokastisia menetelmiä tietoverkkojen suorituskykyanalyyysiin

Grant: 5 000 €

Janne Kari Olavi Lindqvist

Topic: Privacy Protection Mechanisms for Networked Society

Grant: 5 000 €

Jin Li

Topic: Hybrid Audio/video Coding for Audiovisual Synchronization in Multimedia Systems

Grant: 5 000 €

Jarmo Rafael Lundén

Topic: Spectrum Sensing for Cognitive Radio and Radar

Grant: 5 000 €

Torbjörn Lundkvist

Topic: Definition of Visual Language Editors Using Declarative Languages

Grant: 5 000 €

Olli Luukkonen

Topic: Keinotekoisten impedanssipintojen mallintaminen ja niiden sovellukset millimetriaaltoalueella

Grant: 5 000 €

Carlo Oreste Magi

Topic: Uudet matemaattiset mallit puheen spektraaliseen mallintamiseen

Grant: 5 000 €

Vadakital Vinod Kumar Malamal

Topic: Advanced Video Signal Processing for Mobile Television Over DVB Channels

Grant: 5 000 €

Dorina Marghescu

Topic: Evaluation of Visual Data Mining Techniques

Grant: 3 500 €

Anne Maiju Markova

Topic: Yritysten mobiilipalvelujen hyödyllisyyden arviointi

Grant: 5 000 €

Marja Anneli Matinmikko

Topic: IMT-Advanced-järjestelmien taajuustarpeet

Grant: 5 000 €

Janne Maunu

Topic: Erittäin nopea ja vähän tehoa kuluttava analoginen Viterbi-dekooderi

Grant: 5 000 €

Maria Tuulikki Mustonen

Topic: Monielementtiset antennitekniikat tulevaisuuden radiojärjestelmiin

Grant: 5 000 €

Tero Johan Mustonen

Topic: Nanoelectronics with Functionalized Carbon Nanotube Architectures

Grant: 5 000 €

Jukka Petteri Mäkelä

Topic: Mobility Management in Future Converging Networks

Grant: 5 000 €

Matti Juhani Möttönen

Topic: Testing Optimization in High Technology Production

Grant: 5 000 €

Mats Ivar Olof Neovius

Topic: Formal Reasoning about Context Dependent Distributed Systems

Grant: 5000 €

Ethiopia Enideg Nigussie

Topic: Design and Analysis of High-Performance and Robust On-Chip Interconnects for Nano-Scale System-on-Chip

Grant: 5 000 €

Jan Juhani Nissinen

Topic: Optisia CMOS-vastaanotinkanavia lasertutkan integroituun vastaanottimeen

Grant: 5 000 €

Alexandra Leonidovna Oborina

Topic: System Level Optimization in Wireless Communications

Grant: 5 000 €

Ville Pertti Johannes Ojansivu

Topic: Sumentumiselle invariantti hahmontunnistus käyttäen Fourier muunnokseen perustuvia piirteitä

Grant: 5 000 €

Juha Pekka Partala

Topic: Epäassosiatiivisen algebran soveltaminen tiedon salaukseen

Grant: 5 000 €

Ville Risto Pekkanen

Topic: Additiivisten valmistusmenetelmät elektroniikkatuotannossa

Grant: 5 000 €

Marta Plaska

Topic: Measurement of the Impact of Formal Methods in Software Development Process

Grant: 5 000 €

Jussi Henrikki Poikonen

Topic: Langattomien tietoliikennejärjestelmien hierarkiset kanavamallit

Grant: 5 000 €

Hannu Juhani Pulakka

Topic: Matkapuhelinpuheen laadun ja ymmärrettävyyden parantaminen signaalinkäsittelyn avulla

Grant: 5 000 €

Henri Tapani Puska

Topic: Adaptiivista antenniryhmää hyödyntävät häiriönvaimennus- ja koodisynkronointimenetelmät

Grant: 5 000 €

Pekka Taneli Matias Riihonen

Topic: Edistykselliset välitinkonseptit tulevaisuuden langattomissa viestinjärjestelmissä

Grant: 5 000 €

Anna Kristiina Ruokonen

Topic: Model-Driven Development of Web Services Systems

Grant: 5 000 €

Jussi Samuel Salmi

Topic: MIMO radiokanavamallin parametrien estimointi tila-avaruus menetelmin

Grant: 5 000 €

Esa Antero Seuranen

Topic: Koodien konstruointi stokastisilla optimointimenetelmillä

Grant: 5 000 €

Päivi Sievilä

Topic: Nanorakenteiden optiset ominaisuudet

Grant: 5 000 €

Mats Viktor Sjöberg

Topic: Content- and Semantic-based Retrieval of Multimedia Using Self-Organizing Maps

Grant: 5 000 €

Danai Skoymetoy

Topic: Robust Methods for Tracking Low CNR GNSS Signals

Grant: 5 000 €

Timo Juhani Vanhatupa

Topic: Langattomien paikallisten tiedonsiirtoverkkojen hallinta

Grant: 5 000 €

Mikko Juhani Varonen

Topic: Millimetriaaltoalueen radiojärjestelmien piirien integrointi

Grant: 5 000 €

Elina Anneli Vartiainen

Topic: User Interface Design and Implementation for Mobile Internet-enabled Devices

Grant: 5 000 €

Hannu Verkasalo

Topic: Handset-Based Mobile Service Research

Grant: 5 000 €

Sampo Ville Vesa

Topic: Auditory Environment Analysis - Applications and Methods

Grant: 5 000 €

Kati Pauliina Virtanen

Topic: Erittäin vähän tehoa kuluttava videopakkauslaitteisto kannettaville laitteille

Grant: 5 000 €

Jaakko Johannes Väyrynen

Topic: Rakenteiden ohjaamaton oppiminen luonnollisesta aineistosta ja soveltaminen konekääntämiseen

Grant: 5 000 €

Zou Yaning

Topic: Advanced DSP Techniques for Mitigation of Analog Front-End Impairments in Future Wireless Transceivers

Grant: 5 000 €

2006

Lasse Juhani Aaltonen

Topic: Suuriresoluutioisen mikromekaanisen kiihtyvyyssanturin integroitu lukuelektroniikka

Grant: 5 000 €

Traian Emanuel Abrudan

Topic: Advanced Receivers for Multicarrier Systems in Wireless Communications

Grant: 5 000 €

Marcus Sakari Alanen

Topic: Ohjelmistomallintamisen perusteet ja käytäntö Object Management Groupin standardeilla

Grant: 5 000 €

Olli Petteri Alanen

Topic: IPTV-palveluiden laadun hallinta ja tarkkailu tulevaisuuden tietoverkoissa

Grant: 5 000 €

Pekka Heikki Antero Alitalo

Topic: Sub-wavelength Sensing Based on Metamaterials and Resonating Structures

Grant: 5 000 €

Fabio Belloni

Topic: Small Antenna Arrays for Multiantenna Communications

Grant: 5 000 €

Mehdi Bennis

Topic: Novel Approaches to Improve Radio Networks Efficiency

Grant: 5 000 €

Claudio Brunelli

Topic: AVEC

Grant: 5 000 €

Christian Del Rosso

Topic: Continuous Evolution Through Software Architecture Evaluation

Grant: 5 000 €

Giuseppe Destino

Topic: Real-time Multimedia Traffic Delivery and Management

Grant: 5 000 €

Roman Dunaytsev

Topic:

Grant: 5 000 €

Laura Katriina Frisk

Topic: Johtavalla liimalla liitettyjen flip chip -komponenttien pitkäaikaisuutettavuus orgaanisilla liitosalustoilla

Grant: 5 000 €

Kaveh Ghaboosi

Topic: Medium Access Control in Cognitive Radio and Spectrum Agile Wireless Networks

Grant: 5 000 €

Leonardo Goratti

Topic: Medium Access Control Protocol Design for UWB Based Networks: High and Low Rates

Grant: 5 000 €

Fernando Hugo Gregorio

Topic: Power Amplifier Nonlinearities in Multiantenna Systems

Grant: 5 000 €

Jussi-Pekka Haapoja

Topic: Medium Access Control Protocols for Wireless Sensor Networks (Langattomien sensoriverkkojen linkkiohjausprotokollat)

Grant: 5 000 €

Mikko Matias Hankaniemi

Topic: Teholähteiden karakterisointi

Grant: 5 000 €

Hannu Jari Johannes

Topic: Elektroniikan sulautettu testaus levy- ja järjestelmätasolla

Grant: 5 000 €

Marko Tapio Heikkilä

Topic: Uusia tekstuuripohjaisia menetelmiä konenäköön

Grant: 5 000 €

Simo Sakari Hietakangas

Topic: Käyttöjännitemoduloitujen RF-tehovahvistimien fyysisten rakenteiden ja suunnittelumenetelmien kehittäminen

Grant: 3 000 €

Himmanen Heidi Johanna

Topic: Efficient Development of Mobile Standards: A Case Study on DVB-H

Grant: 5 000 €

Teemu Elias Hirsimäki

Topic: Menetelmiä automaattisen puheentunnistuksen tehostamiseen

Grant: 5 000 €

Holopainen Jari Petteri

Topic: Monisysteemiradioiden antennit

Grant: 5 000 €

Sanna Härmä

Topic: Akustisiin pinta-aaltoihin perustuvan RFID-tunnisteen rakenteen optimointi

Grant: 5 000 €

Tero Johannes Ihalainen

Topic: Spectrally and Power Efficient Waveforms for Future Cellular Systems

Grant: 5 000 €

Pekka Martti Tapio Ikonen

Topic: Artificial Composite Structures in Selected Microwave Applications

Grant: 5 000 €

Juanjuan Jiang

Topic: Technics and Tool-supports for Improving Web Services Interoperability

Grant: 5 000 €

Juha Matias Jylhä

Topic: Outlier Analysis in Statistically Varying Signal

Grant: 5 000 €

Kimmo Uolevi Järvinen

Topic: Salausalgoritmien laitteistokiihdytys

Grant: 5 000 €

Kimmo Kalevi Kaija

Topic: Mikroelektroniikan pakkaustekniikan laskennallinen mallintaminen

Grant: 5 000 €

Kimmo Niklas Olavi Kokkonen

Topic: Phase Sensitive Measurements of Surface Vibrations Using Scanning Heterodyne Laser Interferometry

Grant: 5 000 €

Veli-Matti Kolmonen

Topic: Semi-automatic Radio Channel Parameter Extraction

Grant: 5 000 €

Mikko Sakari Komulainen

Topic: Säättötekniikat tulevaisuuden tietoliikenneantenneissa

Grant: 5 000 €

Jussi Antero Kujala

Topic: Advancements in the Efficient Use of Past Information in Data Structures, Discretization, and Online Learning

Grant: 5 000 €

Ari Tapani Kulmala

Topic: Joustava ja skaalautuva arkkitehtuuri digitaalisille järjestelmille

Grant: 5 000 €

Jani Kristian Kurhinen

Topic: Informaation välittyminen infrastruktuurittomassa mobiiliympäristössä

Grant: 5 000 €

Olli Antero Lahdenoja

Topic: Kasvontunnistus käyttäen massiivisia rinnakkaisia prosessoriarkkitehtuureja

Grant: 5 000 €

Essi Maaria Lahtinen

Topic: Ohjelmoinnin perusteiden oppimisongelmat ja opiskelijoiden tukeminen visualisointien avulla

Grant: 5 000 €

Samuel Pellervo Lahtinen

Topic: (Meta)mallipohjaiset äänikielet

Grant: 5 000 €

Juha Mikael Leino

Topic: Stokastisia menetelmiä tietoverkkojen suorituskykyanalyysiin

Grant: 5 000 €

Jarmo Rafael Lundén

Topic: Spectrum Sensing in Cognitive Radio and Radar

Grant: 5 000 €

Mikko Johannes Löytynoja

Topic: DRM- ja digitaaliset vesileimaustekniikat mobiililaitteissa

Grant: 5 000 €

Satu Pauliina Mansikkamäki

Topic: Technology Development Process for New Manufacturing Technologies -Case Studies

Grant: 5 000 €

Janne Maunu

Topic: Erittäin nopea ja vähän tehoa kuluttava analoginen Viterbi-dekooderi

Grant: 5 000 €

Tero Johan Mustonen

Topic: Nanoelectronics with Functionalized Carbon Nanotube Architectures

Grant: 5 000 €

Tuomas Sulo Toivo Mäkilä

Topic: Software Development Process Modeling

Grant: 5 000 €

Mats Ivar Olof Neovius

Topic: Formal Reasoning about Distributed Systems

Grant: 5 000 €

Ilkka Kristian Nissinen

Topic: Integroituun monivaiheiseen CMOS-rengasoskillaattoriin perustuvia aika-digitaali -
muunninratkaisuja laseretäisyyssmittalaitteen integroituun vastaanottiin

Grant: 5 000 €

Kristian Gustav Nybom

Topic: Application Layer Multidimensional Forward Error Correcting Codes in Wireless Networks

Grant: 5 000 €

Aarne Tapio Pahikkala

Topic: Koneoppimismenetelmät kieliteknologian apuna

Grant: 5 000 €

Mikko Johannes Perttunen

Topic: Knowledge Representation in Context-aware Systems

Grant: 5 000 €

Minna Annika Pikkarainen

Topic: Agile Software Methodology Deployment in Organizations

Grant: 5 000 €

Mikko Tapani Pänkäälä

Topic: Ultra Low-Power Video Compression System for Mobile Devices

Grant: 5 000 €

Yang Qu

Topic: Using Parallel Configuration Models and Optimized Prefetch Scheduling Techniques to Reduce the
Run-time Reconfiguration Overhead (PARACOM)

Grant: 5 000 €

Alberto Rabbachin

Topic: Low Complexity and Low Data Rate Receivers for UWB Systems with Location and Tracking
Capabilities

Grant: 5 000 €

Jukka Martti Kalevi Raisamo

Topic: Interaction Methods in Haptic Environments

Grant: 4 000 €

Risto Veli Matti Rajala

Topic: Business Model Transformation in Software Firms

Grant: 5 000 €

Sanna Maarit Ranto

Topic: Identifioivat koodit Hammingin avaruudessa

Grant: 5 000 €

Jukka Vesa Tapani Rauhala

Topic: Parametric Piano Synthesis

Grant: 5 000 €

Timo Jaakko Rautio

Topic: Käyttäjännitemoduloitujen RF-tehovahvistimien linearisointi

Grant: 3 000 €

Mehdi Rezaei

Topic: Advanced Video Signal Processing Methods for Mobile Applications

Grant: 5 000 €

Pekka Taneli Matias Riihonen

Topic: Edistykselliset välitinkonseptit tulevaisuuden langattomissa viestinjärjestelmissä

Grant: 5 000 €

Anna Kristiina Ruokonen

Topic: Model-Driven Development of Web Services Systems

Grant: 5 000 €

Ville Olavi Saari

Topic: Analogisten kantataajuusosien toteutus laajakaistaisten radiojärjestelmien integroituihin vastaanottimiin

Grant: 5 000 €

Tuomo Iivari Saarni

Topic: Sääntöpohjaisen puhesynteesin kehittäminen

Grant: 5 000 €

Esa Antero Seuranen

Topic: Koodien konstruointi stokastisilla optimointimenetelmillä

Grant: 5 000 €

Päivi Sievilä

Topic: Metallisten nanorakenteiden sähköiset ja optiset ominaisuudet

Grant: 5 000 €

Timo Erkki Edvard Similä

Topic: Advances in Input Selection and Visualization Methods for Multivariate Data Analysis

Grant: 5 000 €

Sampo Tapio Tuuna

Topic: Kohinan mallinnus ja vähentäminen järjestelmäpiirien kommunikaatiossa

Grant: 5 000 €

Timo Juhani Vanhatupa

Topic: Langattomien paikallisten tiedonsiirtoverkkojen hallinta

Grant: 5 000 €

(Tuula) Johanna Vartiainen

Topic: Langattoman tietoliikenteen häiriönvaimennusta käsittelevä väitöskirjatyö

Grant: 5 000 €

Hannu Tapani Verkasalo

Topic: A Handset-Based Measurement Platform in Mobile Service and Application Research

Grant: 5 000 €

Juho Ville Vihonen

Topic: Muutoksen ilmaisu vaativissa 2D signaaliolosuhteissa

Grant: 5 000 €

Ville Valtteri Viikari

Topic: Hologrammiin perustuva antennimittauspaikka

Grant: 5 000 €

Juha Tapio Villanen

Topic: Antennas for Mobile Communication Terminals

Grant: 5 000 €

Kati Pauliina Virtanen

Topic: Erittäin vähän tehoa kuluttava videonpakkauslaitteisto kannettaville laitteille

Grant: 5 000 €

Jaakko Johannes Väyrynen

Topic: Konekääntäminen ja kielellisten rakenteiden oppiminen ohjaamattomasti

Grant: 5 000 €

Tomi Vesa Juhani Westerlund

Topic: AIKA

Grant: 5 000 €

Yaning Zou

Topic: Advanced DSP Techniques for Mitigation of Analog Front-End Impairments in Future Wireless Transceivers

Grant: 5 000 €

2005

Aikio Janne Petteri

Topic: RF-tehovahvistimen särön muistin analysointi ja minimointi

Grant: 5 000 €

Alanen Marcus

Topic: Ohjelmistomallintamisen perusteet ja käytäntö

Grant: 5 000 €

Ali-Löytty Simo Sakari

Topic: Luotettavien aikasarja-algoritmien kehittäminen henkilökohtaiseen paikannukseen

Grant: 5 000 €

Anttila Lauri Aleksi

Topic: Kehittyneitä signaalinkäsittelyalgoritmeja vastaanottimen alkupään epäideaalisuuksien kompensointiin

Grant: 5 000 €

Belloni Fabio

Topic: Small Antenna Arrays for Multiantenna Communications

Grant: 5 000 €

Codreanu Ionel Marian

Topic: Multidimensional Adaptive Radio Link for Broadband Communication Systems

Grant: 5 000 €

Geng Suiyan

Topic: Measurements and Modeling of 60 GHz and UWB Radio Propagation Channels for Short-range Wireless Communications

Grant: 5 000 €

Ginter Filip

Topic: Natural Language Processing of Scientific Publications

Grant: 5 000 €

Gregorio Fernando Hugo

Topic: Amplifier Nonlinearities in Multi-Antenna Mobile Communication Systems

Grant: 5 000 €

Haapola Jussi-Pekka

Topic: Medium Access Control Protocols for Wireless Sensor Networks (Langattomien sensoriverkkojen linkki-ohjausprotokollat)

Grant: 5 000 €

Hankaniemi Mikko Matias

Topic: Teholähteiden karakterisointi ja nopeiden identifiointimenetelmien kehittäminen

Grant: 5 000 €

Hannuksela Jari

Topic: Visuaalisia seurantatekniikoita kamerapohjaisiin käyttöliittymiin

Grant: 5 000 €

Harkke Ville

Topic: Knowledge Freedoms for Medical Professionals

Grant: 4 000 €

Hollanti Camilla Johanna

Topic: Applications of Crossed Product Algebras in MIMO Space-time Coding

Grant: 5 000 €

Häkkilä Jonna Riitta

Topic: Towards Usable Context-Aware Mobile Handheld Applications

Grant: 4 000 €

Ikonen Pekka Martti Tapio

Topic: Metamaterials in Antenna and Imaging Applications

Grant: 5 000 €

Jansson Jussi-Pekka

Topic: Pikosekuntiluokan CMOS-aikavälinmittausteknologia

Grant: 5 000 €

Järvinen Kimmo Uolevi

Topic: Reconfigurability in Hardware Acceleration of Cryptographic Algorithms

Grant: 5 000 €

Karjalainen Päivi Helena

Topic: Puolijohteelle integroidut passiivikomponentit

Grant: 5 000 €

Kaukovuori Jouni Kristian

Topic: Radiotaajuuspiirien suunnittelu erittäin laajakaistaiseen järjestelmään

Grant: 5 000 €

Kayo (Née Kouropteva) Olga

Topic: Locally Linear Embedding - Extensions and Applications

Grant: 5 000 €

Kelloniemi Antti Pekka

Topic: Huoneakustiikan mallintaminen aaltojohtoverkkoa käyttäen

Grant: 5 000 €

Kuorilehto Mauri Tapani

Topic: Palvelun laadun tukeminen langattomissa verkoissa

Grant: 5 000 €

Lafond Sebastien

Topic: Energy Aware Design for Embedded Systems

Grant: 5 000 €

Lehtimäki Pasi Tapio

Topic: Menetelmiä massiivisten mittausaineistojen hyödyntämiseksi matkapuhelinverkkojen

suorituskyvyn optimoinnissa

Grant: 5 000 €

Loikkanen Mikko Topi

Topic: Compensation and Design of Power Efficient Class AB Amplifiers and LDO regulators

Grant: 5 000 €

Melvasalo Maarit Inka Susanna

Topic: Multiantenna Receivers (MIMO) in High Speed Downlink Packet Access (HSDPA) Systems

Grant: 5 000 €

Myllylä Juha Markus

Topic: Rapid Prototyping of 4th Generation Wireless Systems and Algorithms

Grant: 5 000 €

Mäntysalo Matti Juhani

Topic: Mikroelektronikan 3D-rakenteiden sähkömagneettinen mallintaminen

Grant: 5 000 €

Niemelä Jarno Petteri

Topic: Optimaalinen radioverkon topologia WCDMA-pohjaisiin matkaviestinjärjestelmiin

Grant: 5 000 €

Nieminen (O.S. Antila) Johanna Maria

Topic: Adaptiiviset vuoronjako-algoritmit ja pääsynvalvonta

Grant: 5 000 €

Pahikkala Aarne Tapio

Topic: Koneoppimismenetelmät kieliteknologian apuna

Grant: 5 000 €

Pakarinen Jyri Tapani

Topic: Kielisoittimien mallinnusta ja äänisynteesiä käsittelevä väitöskirjatyo

Grant: 5 000 €

Pertilä Pasi Eerikki

Topic: Äänilähteen paikannus

Grant: 5 000 €

Perttula Antti Osmo Juhani

Topic: New Approaches to Improve Verification and Validation in Fast Cycle Electronics Product Development. Case Mobile Terminal

Grant: 5 000 €

Pesonen Lauri Ilja Waltter

Topic: A Capabilities-Based Access Control Architecture for Multi-Domain Publish/Subscribe Systems

Grant: 5 000 €

Pogossova Ekaterina

Topic: Spectral Techniques in Logic Design Signal Processing and Mobile Communications

Grant: 4 000 €

Puska Henri Tapani

Topic: Antenniryhmän käyttö häiriönvaimennuksessa ja koodisynkronoinnin suorituskyvyn parantamisessa

Grant: 5 000 €

Pyysalo Sampo Mikael

Topic: Structured Information Extraction from Scientific Publications: A Knowledge-Rich Machine Learning Approach

Grant: 5 000 €

Pänkäälä Mikko Tapani

Topic: Ultra Low-Power Video Compression System for Mobile Devices

Grant: 5 000 €

Rabbachin Alberto

Topic: Low Complexity and Low Data Rate Receivers for UWB Systems with Location and Tracking Capabilities

Grant: 5 000 €

Rahtu Esa Mikael

Topic: Invariantit menetelmät hahmontunnistuksessa

Grant: 5 000 €

Raiko Pekka Tapani

Topic: Advances in Bayesian Inference for Learning Classification Reconstruction and Control in Nonlinear and Structured Settings

Grant: 5 000 €

Ranvier Sylvain

Topic: Radio Wave Propagation and Antennas for Very Broadband Mobile Communications

Grant: 5 000 €

Rauhala Jukka Vesa Tapan

Topic: I Parametric Piano Synthesis

Grant: 5 000 €

Rezaei Mehdi

Topic: Advanced Video Signal Processing Methods for Mobile Applications

Grant: 5 000 €

Ritari Tuomo Matias

Topic: Fotonikidekuitujen sovellukset tietoliikennetekniikassa

Grant: 5 000 €

Riva Oriana

Topic: Context-aware Services in Pervasive Computing Environments

Grant: 5 000 €

Roman Timo Eric

Topic: Advanced Receiver Algorithms for Multicarrier MIMO Communication Systems

Grant: 5 000 €

Rusu Matei

Topic: Realization of an Ultrafast Telecom Transmitter based on Fiber Laser and Nonlinear Optics

Grant: 5 000 €

Saarinen Markku-Juhani Olavi

Topic: Cryptanalysis of Stream Ciphers

Grant: 5 000 €

Saastamoinen Alpo Juhani

Topic: Accuracy of MFCC-based Speaker Recognition

Grant: 5 000 €

Salo Jari Pekka

Topic: Statistical Characterization of Fading Radio Channels and Related Functions

Grant: 5 000 €

Saukoski Mikko Heikki

Topic: Mikromekaanisen gyroskoopin integroitu luku- ja ohjauselektroniikka

Grant: 5 000 €

Siekkinen Matti Mikael

Topic: Root Cause Analysis of TCP Throughput

Grant: 5 000 €

Stoica Lucian Vasile

Topic: Ultrawideband Receivers for Low Data Rate Impulse Radio Ultrawideband Systems

Grant: 5 000 €

Susitaival Riikka Pauliina

Topic: Väitöskirjatyö: Adaptiiviset kuormantasausmenetelmät Internetissä

Grant: 5 000 €

Särestöniemi Mariella Marika Johanna

Topic: SC/MMSE-turbokanavakorjain-tekniikoiden suorituskyvyn ja konvergenssin arviointi mitattua kanavadataa käyttäen

Grant: 5 000 €

Taparugssanagorn Attaphongse

Topic: Packet Access Networks with Flexible Spectrum Use (PANU) Project work package 5: wide-band radio channel models

Grant: 5 000 €

Toth Geza

Topic: Finite Element Analysis Design and Optimization of Micro and Nano Systems - Carbon Nanotubes the Novel Material for Electronics Cooling

Grant: 5 000 €

Trimeche Mejdi

Topic: Nonlinear Methods for Super-Resolution Image Reconstruction

Grant: 5 000 €

Turtinen Markus Samuli

Topic: Paikallisiin binaarikuvioihin perustuva kuvaanalyysi ja tekstuurin karakterisointi

Grant: 5 000 €

Tuuna Sampo Tapio

Topic: Kohinan mallinnus ja vähentäminen järjestelmäpiirien kommunikaatiossa

Grant: 5 000 €

Ukkonen Anna Leena

Topic: Passiivisten UHF-taajuuksien RFID-tunnisteantenniratkaisujen kehitys haastaviin kohteisiin ja ympäristöihin

Grant: 5 000 €

Varonen Mikko Juhani

Topic: Millimetriaaltoalueen radiojärjestelmien piirien integrointi

Grant: 5 000 €

Vartiainen Tuula Johanna

Topic: Langattoman tietoliikenteen häiriönvaimennusta käsittelevä väitöskirjatyö

Grant: 5 000 €

Vasilyeva Ekaterina

Topic: Feedback Adaption in Web-based Systems

Grant: 5 000 €

Villanen Juha Tapio

Topic: Antennas for Mobile Communication Terminals

Grant: 5 000 €

Westerlund Tomi Vesa Juhani

Topic: Aika

Grant: 5 000 €

Zhong Daidi

Topic: Compressed Information Processing For Multimedia Retrieval

Grant: 5 000 €

2004

Aaltonen Timo

Tampereen teknillinen yliopisto, Tietotekniikan osasto

Topic: OIVA (Oikeellisuuden validointi horisontaaliarkkitehtuurien avulla)

Grant: 5 000 €

Aaltonen Titta Katriina

Helsingin yliopisto, Epäorgaanisen kemian laboratorio

Topic: Jalometalliohutkalvojen kasvattaminen atomikerroskasvatus-menetelmällä mikroelektroniikan sovelluksiin

Grant: 5 000 €

Abdenour Hadid

University of Oulu, Electrical and Information Engineering Department

Topic: Learning and Recognizing Faces from Image Sequences

Grant: 5 000 €

Abrudan Traian Emanuel

Helsinki University of Technology, Electrical and Communications Engineering Department

Topic: Advanced Receivers for Multicarrier Systems in Wireless Communications

Grant: 5 000 €

Aho Eero Tapani

Tampereen teknillinen yliopisto, Tietotekniikan osasto

Topic: Konfiguroitava rinnakkaismuisti multimediasovelluksille

Grant: 5 000 €

Ahonen Timo Juhani

Oulun yliopisto, Sähkö- ja tietotekniikan osasto

Topic: Tekstuurimenetelmien kehitys ja soveltaminen luonnollisten kuvien analysointiin

Grant: 5 000 €

Antila Johanna Maria

Teknillinen korkeakoulu, Sähkö- ja tietoliikennetekniikan osasto

Topic: Adaptiiviset vuoronjakoalgoritmit ja pääsynvalvonta

Grant: 5 000 €

Arian Peyman

Tampereen teknillinen yliopisto, Signaalinkäsittelyn laitos

Topic: Optimization Techniques for Designing Computationally Efficient Linear-phase FIR Filters

Grant: 5 000 €

Arvo Jukka-Pekka

Turun Yliopisto, Informaatioteknologian laitos

Topic: Efficient Algorithms for Hardware-Accelerated Shadow Mapping

Grant: 4 000 €

Bilcu Eniko Beatrice

Tampere University of Technology, Institute of Signal Processing

Topic: Neural Networks for Text-to-Phoneme Mapping

Grant: 5 000 €

Borkowski Maciej Jan

University of Oulu, Department of Electrical and Information Engineering

Topic: Delta Sigma Modulation in Radio Frequency Synthesis

Grant: 5 000 €

Ginter Filip

Turku Centre for Computer Science (TUCS)

Topic: Natural Language Processing of Scientific Publications

Grant: 5 000 €

Hakkarainen Väinö Juhani

Teknillinen korkeakoulu, Sähkö- ja Tietoliikennetekniikka

Topic: Nopeat ja tarkat AD-muunnokset telekommunikaatio sovellutuksiin

Grant:

Hammouda Imed

Institute of Software Systems, Tampere University of Technology

Topic: Managing Multi-dimensional Software Systems: Tools and Applications

Grant: 5 000 €

Han Shengnan

Åbo Akademi University, Institute for Advanced Management Systems Research (IAMSR)

Topic: Understanding User Adoption of Mobile Technology: Focus on Finnish Physicians

Grant: 3 500 €

Hannuksela Jari Samuli

Oulun Yliopisto, Sähkö- ja tietotekniikan osasto

Topic: Visuaalisia seurantatekniikoita kamerapohjaisiin käyttöliittymiin

Grant: 5 000 €

Hansen Henri Juhani

Tampereen Teknillinen Yliopisto, Tietotekniikka

Topic: Tila- ja tapahtumapohjaiset mallit ja determinismi prosessialgebrallisessa verifiointissa

Grant: 5 000 €

Harjula Ilkka Simeon

Oulun Yliopisto, Sähkö- ja tietotekniikan osasto

Topic: Channel Estimation and Synchronization in Space-Time Coded OFDM Systems

Grant: 5 000 €

Heikkinen Jari Mikko

Tampereen teknillinen yliopisto, Tietotekniikan osasto

Topic: Siirtoihin liipaisevan, sulautetuissa järjestelmissä käytettävän prosessoriarkkitehtuurin muistin- ja

tehonkulutuksen optimointi

Grant: 5 000 €

Helovuo Juhana Valtteri

Tampereen teknillinen yliopisto, Tietotekniikan osasto

Topic: Funktionaalinen toteutustekniikka signaalinkäsittelyalgoritmeille

Grant: 5 000 €

Herrero Carlos

Helsinki University of Technology, Computer Science

Topic: Data Transmission in Digital Television Networks

Grant: 5 000 €

Hollanti Camilla Johanna

Turku Centre for Computer Science, Department of Mathematics

Topic: Applications of Crossed Product Algebras in MIMO Space-time Coding

Grant: 5 000 €

Hämäläinen Perttu Juho

Teknillinen korkeakoulu, Tietotekniikan osasto

Topic: Tietokonenäköön ja -kuuloon perustuvat opetukselliset käyttöliittymät

Grant: 5 000 €

Härkönen Antti Tuomas

Tampereen teknillinen yliopisto, Teknis-luonnontieteellinen osasto

Topic: Surface-normal Semiconductor Devices for Optical Clocking

Grant: 5 000 €

Kangas Tero Matias

Tampereen teknillinen yliopisto, Tietotekniikan osasto

Topic: Digitaalisten järjestelmäpiirien alustapohjaiset suunnittelumenetelmät

Grant: 5 000 €

Kangasvieri Tero Juhani

University of Oulu

Topic: RF Performance and Reliability of Highly Integrated Multichip Module Assemblies for Future Wireless Systems

Grant: 5 000 €

Karpov Evgeny

University of Joensuu, Department of Computer Science

Topic: Speaker Identification in Mobile Environment

Grant: 5 000 €

Kaski Petteri Samuel

Teknillinen korkeakoulu, Tietotekniikan osasto

Topic: Kombinatorisia algoritmeja luokitteluun ja optimointiin

Grant: 5 000 €

Kelloniemi Antti Pekka

Teknillinen korkeakoulu, Sähkö- ja tietoliikennetekniikan osasto

Topic: Huoneakustiikan mallintaminen aaltojohtoverkkoa käyttäen

Grant: 4 500 €

Koskinen Tomi Veikko Mikael

Teknillinen korkeakoulu, Sähkö- ja tietoliikennetekniikan osasto

Topic: Alimillimetriaaltoalueen hologrammiin perustuva kompakti antennimittauspaikka

Grant: 5 000 €

Kostov Konstantin Stoychev

Helsinki University of Technology, Department of Electrical and Communications Engineering

Topic: Dynamic Modelling and Analysis of Distributed Power Supply Systems

Grant: 4 000 €

Kouropiteva Olga

University of Oulu, Department of Electrical and Information

Topic: Non-linear Dimensionality Reduction in Visualization and Classification of High-Dimensional Data

Grant: 5 000 €

Krendzel Andrey

Tampere University of Technology, Department of Information Technology

Topic: Network Planning Aspects for 3G/4G Mobile Systems

Grant: 4 000 €

Krogerus Joonas Veli-Allan

Teknillinen korkeakoulu, Sähkö- ja tietoliikennetekniikan osasto

Topic: Matkaviestinlaitteiden antennien suorituskyvyn mittausmenetelmien kehittäminen

Grant: 5 000 €

Lehtimäki Pasi Tapio

Teknillinen korkeakoulu, Tietotekniikan osasto

Topic: Data-analysis Methods for Mobile Network Quality Monitoring, Fault Diagnosis and Performance Optimization

Grant: 5 000 €

Makkonen Matti Tapani

Teknillinen korkeakoulu, Teknillisen fysiikan ja matematiikan osasto

Topic: Akustiset pinta-aaltosuodattimet langattoman lähiverkon (5 GHz) taajuuksille

Grant: 5 000 €

Matinlassi Mari Taina Elin

Oulun yliopisto, Luonnontieteellinen tiedekunta, Tietojenkäsittelyopin laitos

Topic: Laatuohjattu arkkitehtuurimallin transformaatio

Grant: 4 000 €

Melvasalo Maarit Inka Susanna

Teknillinen Korkeakoulu, Sähkö- ja tietoliikenne tekniikka

Topic: Multiantenna Receivers (MIMO) in High Speed Downlink Packet Access (HSDPA) Systems

Grant: 5 000 €

Miao Honglei

Department of Electrical Engineering, University of Oulu

Topic: Space-time Processing from Centralized MIMO System to Distributed Wireless Networks: Channel Estimation and Signal Design

Grant: 5 000 €

Moltchanov Dmitri

Tampere University of Technology, Institute of Communications Engineering

Topic: Packet Level Performance Evaluation of 4G All-IP Mobile Networks

Grant: 5 000 €

Mäkinen Jari Mikael

Tampereen teknillinen yliopisto, Signaalinkäsittelynlaitos

Topic: Source Adaptation and Audio Extensions for AMR Codec Family

Grant: 5 000 €

Mäntysalo Matti Juhani

Tampereen teknillinen yliopisto, Sähkötekniikan osasto

Topic: Mikroelektronikan 3D-rakenteiden sähkömagneettinen mallintaminen

Grant: 5 000 €

Nurmi Sami Tapani

Tampereen teknillinen yliopisto, Sähkötekniikan osasto

Topic: The Reliability of SnAgCu Solder Joints Under Thermo-mechanical Stresses

Grant: 5 000 €

Nurmi Tero Juhani

Turun Yliopisto, Informaatioteknologian laitos

Topic: Architecture/Technology Exploration of System-on-Chip Modules towards Nanotechnologies

Grant: 5 000 €

Oikarinen Emilia Kristiina

Teknillinen korkeakoulu, Tietotekniikan osasto

Topic: Modulaarinen deklarativinen sääntöpohjainen rajoiteohjelmointi

Grant: 5 000 €

Paavola Jarkko Ilari

Turun Yliopisto, Informaatioteknologian laitos

Topic: Signal Design for High-Capacity CDMA Networks

Grant: 5 000 €

Peltomäki Mia Marjukka

Turun yliopisto, Informaatioteknologian laitos

Topic: Loogisen päättelyn formaalit menetelmät matematiikan ja tietotekniikan lukio-opetuksessa

Grant: 5 000 €

Peltonen Jari Petri Olavi

Tampereen teknillinen yliopisto, Tietotekniikan osasto, Ohjelmistotekniikka

Topic: Customizable Tool Support for Software Development Processes - a Visual Language Based Approach

Grant: 5 000 €

Penttilä Katariina Maaria

Tampereen teknillinen yliopisto, Sähkötekniikan osasto

Topic: RFID lukijan kehittäminen tulevaisuuden automatisoituun tunnistukseen

Grant: 5 000 €

Pertilä Pasi Eerikki

Tampereen teknillinen yliopisto, Tietotekniikan osasto

Topic: Äänilähteen paikannus

Grant: 5 000 €

Piatnitsa Vadim

Electrotechnical University of St. Petersburg, Microelectronics Laboratory, Department of Engineering

Topic: Investigation and Design of Miniaturized Passive Components for Wireless Communication System Application Based on the Novel Multilayer Technology

Grant: 5 000 €

Pirinen Tuomo Väinö Vilhelm

Tampereen Teknillinen Yliopisto, Tietotekniikan Osasto

Topic: Aikaeroon perustuva tulosuunnan arviointi

Grant: 5 000 €

Pogossova Ekaterina

Tampere University of Technology, Department of Information Technology

Topic: Spectral Techniques: Fast Algorithms and Applications in Signal Processing, Logic Design and Communications

Grant: 5 000 €

Pohja Mikko Johannes

Teknillinen Korkeakoulu, Tietotekniikan osasto

Topic: Browser Component API

Grant: 5 000 €

Poikonen Jonne Kalevi

Turun yliopisto

Topic: Analogisten rakenteiden optimointi suuritehoista rinnakkaisprosessoria varten

Grant: 5 000 €

Puttonen Jani Paavo Johannes

Jyväskylän yliopisto, Tietotekniikan laitos

Topic: Liikkuvuuden hallinta tulevaisuuden langattomissa verkoissa

Grant: 5 000 €

Pyysalo Sampo Mikael

Turun yliopisto, Informaatioteknologian laitos, Tietojenkäsittelytiede

Topic: Structured Information Extraction from Scientific Publications: A Knowledge-Rich Machine Learning Approach

Grant: 5 000 €

Rahtu Esa Mikael

Oulun yliopisto, Sähkö- ja tietotekniikan osasto

Topic: Invariantit menetelmät hahmontunnistuksessa

Grant: 5 000 €

Ranvier Sylvain

Helsinki University of Technology, Department of Electrical and Communications Engineering

Topic: Radio Wave Propagation and Antennas for Very Broadband Mobile Communications

Grant: 4 000 €

Rautiainen Mika Petteri

Oulun yliopisto, Sähkö- ja tietotekniikan osasto

Topic: Digitaalisen videon sisältöanalyysimenetelmät videonhallintajärjestelmissä

Grant: 5 000 €

Ribeiro Cassio Barboza

Helsinki University of Technology, Signal Processing Laboratory

Topic: Stochastic Maximum-likelihood MIMO Propagation Parameter Estimation

Grant: 5 000 €

Ristimäki Tapio Veli Juhani

Host: Tampereen teknillinen yliopisto, Tietotekniikan osasto

Topic: Uudelleenkonfiguroitavuus järjestelmäpiireissä

Grant: 5 000 €

Shahed Hagh Ghadam Ali

Tampere University of Technology, Department of Information Technology

Topic: Advance Digital Signal Processing (DSP) Methods for Compensating Nonidealities in Communications Receivers

Grant: 5 000 €

Saukoski Mikko Heikki

Teknillinen korkeakoulu, Sähkö- ja tietoliikennetekniikan osasto

Topic: Mikromekaanisen gyroskoopin integroitu luku- ja ohjauselektroniikka

Grant: 5 000 €

Sirola Niilo Torsten

Tampereen teknillinen yliopisto

Topic: Algoritmeja satelliitti- ja tukiasemapaikannusdatan yhdistämiseen

Grant: 5 000 €

Sommarek Johan Valfrid Daniel

Helsinki University of Technology, Department of Electrical and Communications Engineering

Topic: Digital Modulators with On-chip D/A converters

Grant: 5 000 €

Suliman Isameldin Mohammed

University of Oulu, Telecommunication Laboratory

Topic: Performance Studies of Heterogeneous Wireless Networks: with Resource Allocation Issues

Grant: 5 000 €

Tamminen Toni Tapani

Teknillinen korkeakoulu, Sähkö- ja tietoliikennetekniikan osasto

Topic: Bayesilaiset menetelmät tietokonenäössä

Grant: 5 000 €

Tiitu Mari Hannele

Teknillinen korkeakoulu, Teknillisen fysiikan ja matematiikan osasto

Topic: Local and Overall Order in Self-organized Conducting Polymers

Grant: 5 000 €

Toivonen Tuukka Olli Artturi

Oulun Yliopisto, Sähkö- ja tietotekniikan osasto

Topic: Muunnospohjainen liikkeenestimointi

Grant: 5 000 €

Tölli Antti Heikki

Oulun Yliopisto, Sähkö- ja tietotekniikan osasto

Topic: Radioresurssien hallinta tulevaisuuden langattomissa (4G) matkaviestintäjärjestelmissä

Grant: 5 000 €

Vapa Mikko Antero

Jyväskylän yliopisto, Tietotekniikan laitos

Topic: NeuroSearch: Adaptive Resource Discovery Algorithm for Peer-to-Peer Networks

Grant: 5000 €

Vesalainen Laura Ilona

Turun yliopisto, IT-laitos, Mikroelektroniikan laboratorio

Topic: Datamuunnin- ja sumeanlogiikanlohkojen kehittäminen rinnakkaisprosessorirakenteeseen

Grant: 5 000 €

Vihonen Juho Ville

Tampereen Teknillinen Yliopisto, Signaalinkäsittelyn laitos

Topic: Signaalin havaitseminen heikoissa signaali-kohina olosuhteissa (RF-tekniikassa sovelluksissa)

Grant: 5 000 €

Viinikka Jouni Matias

Université de Caen, Informatique (Tietotekniikka)

Topic: Analysis Tools for Security Alert Management

Grant: 5 000 €

Vuokko Lasse Veikko Samuli

Teknillinen Korkeakoulu

Topic: MIMO Radio Systems and Radiowave Propagation

Grant:

2003

Ahmed Mohammed

Lappeenranta University of Technology

Topic: Sliding Mode Control for Switch Mode Power Supply

Grant: 5 000 €

Alakarhu Juha Heikki

Tampereen teknillinen korkeakoulu, Tietotekniikan osasto

Topic: Muistijäljen mallintamiseen perustuva DRAM-järjestelmän suunnittelu

Grant: 3 500 €

Alén Petra Johanna

Helsingin yliopisto, Epäorgaanisen kemian osasto

Topic: Nitridikalvojen kasvattaminen ald-menetelmällä mikroelektroniikan sovelluksiin

Grant: 5 000 €

Antoniac Peter Mihai

University of Oulu

Topic: Mobile Augmented Reality Interface Sign Interpretation Language (marisil)

Grant: 5 000 €

Battarbee Katja Marika

Taideteollinen korkeakoulu, Muotoilun osasto

Topic: Co-experience - User Experience in Interaction

Grant: 5 000 €

Bilcu Radu Ciprian

Tampere University of Technology, Institute of Signal Processing

Topic: Adaptive Finite Impulse Response Filters and Applications

Grant: 5 000 €

Björklund Dag Wiking

Åbo Akademi, Kemisk Tekniska Fakulteten

Topic: High-level Design of Heterogeneous Embedded Systems

Grant: 5 000 €

Boda Péter Pál

Teknillinen korkeakoulu / MIT Spoken Language Systems Group

Topic: Semantiikka laajemmassa mielessä: Yhtenäinen lähestymistapa multimodaaliseen fuusioon, kielen ymmärtämiseen ja kontekstin tulkintaa

Grant: 5 000 €

Borkowski Maciej Jan

University of Oulu

Topic: Very Low Noise Sigma-delta Frequency Synthesis

Grant: 5 000 €

César Pablo

Helsinki University of Technology, Telecommunication Software and Multimedia lab

Topic: Graphical User Interface Components for Embedded Devices

Grant: 5 000 €

Eriksson Jan Mauritz

Teknillinen korkeakoulu, Sähkö- ja tietoliikennetekniikan osasto

Topic: Theory and Algorithms of Independent Component Analysis and Signal Separation

Grant: 5 000 €

Harju Lasse Kalervo

Tampereen teknillinen korkeakoulu, Tietotekniikan osasto

Topic: Monistandardivastaanottimen digitaali-radion toteutusmenetelmät järjestelmä-mikropiirillä

Grant: 5 000 €

Hasu Vesa Petteri

Teknillinen korkeakoulu

Topic: Adaptiivinen keilanmuodostus ja tehon-säätö langattomassa tietoliikenteessä

Grant: 5 000 €

Himberg Klaus Johan Christian

Teknillinen korkeakoulu

Topic: Käyttöliittymät ja tiedon louhinta

Grant: 5 000 €

Häkkilä Jonna-Riitta

University of Oulu

Topic: Interaction with Context-aware Mobile Handheld Devices

Grant: 4 000 €

Hämäläinen Matti Ilmari

University of Oulu

Topic: Ultra Wideband Co-existence Studies

Grant: 5 000 €

Hämäläinen Perttu Juho

Teknillinen korkeakoulu, Tietotekniikan osasto

Topic: Tietokonenäköön ja -kuuloon perustuvat opetukselliset käyttöliittymät

Grant: 5 000 €

Kaija Tero Veikko

Tampereen teknillinen korkeakoulu, Sähkötekniikan osasto

Topic: Komponenttimittauksissa käytettävien testirakenteiden optimointi soi-alustalla

Grant: 5 000 €

Kalliomäki Ilkka Veikko Johannes

Teknillinen korkeakoulu, Sähkö- ja tietoliikennetekniikan osasto

Topic: Probabilistic Methods for Pose-invariant Recognition in Computer Vision

Grant: 5 000 €

Kaukovuori Jouni Kristian

Teknillinen korkeakoulu, Sähkö- ja tietoliikennetekniikan osasto

Topic: Matalan tehonkulutuksen radiotaajuuspiirien integrointi CMOS-teknologialla

Grant: 5 000 €

Keränen Kimmo

University of Oulu

Topic: Photonic Module Miniaturization and Integration Process

Grant: 5 000 €

Kohvakka Mikko Jalmari

Tampereen teknillinen korkeakoulu, Tietotekniikan osasto

Topic: Ubiquitous-verkon suunnittelu ja toteutus

Grant: 5 000 €

Koskinen Henri Markus

Teknillinen korkeakoulu, Sähkö- ja tietoliikennetekniikan osasto

Topic: Ad hoc-verkkojen suorituskykyanalyysi

Grant: 5 000 €

Krogerus Joonas Veli-Allan

Teknillinen korkeakoulu, Sähkö- ja tietoliikennetekniikan osasto

Topic: Development of Antenna Performance Measurement Methods and Multi-antenna Structures for Mobile Terminals

Grant: 5 000 €

Kurjenniemi Janne

Jyväskylän yliopisto

Topic: Radioresurssien hallinta tulevaisuuden matkapuhelinjärjestelmissä

Grant: 5 000 €

Kuusniemi Heidi Camilla

Tampereen teknillinen korkeakoulu / Department of Geomatics Engineering, University of Calgary

Topic: Virheentunnistus matkapuhelimen käyttäjän paikannuksessa

Grant: 5 000 €

Kylmäkoski Veikka Roope Olavi

Tampereen teknillinen korkeakoulu

Topic: Tehostettua tuotteiden määrittelyä ohjelmistoprojekteissa RaPiD7 menetelmällä

Grant: 5 000 €

Latvala Timo Mikael

Teknillinen korkeakoulu, Tietotekniikan osasto

Topic: Asynkronisten järjestelmien mallintarkastus

Grant: 5 000 €

Lehtinen Vesa Kalervo

Tampereen teknillinen korkeakoulu, Tietotekniikan osasto

Topic: Digitaalisia signaalinkäsittelyalgoritmeja sekä niiden epäideaalisuudet ja analyysimenetelmät tietoliikennejärjestelmissä

Grant: 4 000 €

Lehtomäki Janne Jooseppi

Oulun yliopisto

Topic: Tietoliikennesignaalien ilmaisu

Grant: 5 000 €

Leino Jari Tapio

Jyväskylän yliopisto, Tietotekniikan laitos

Topic: Moniantennijärjestelmät langattomissa matkaviestinjärjestelmissä

Grant: 5 000 €

Leppänen Sari Maija

Tampereen teknillinen korkeakoulu, Tietotekniikan osasto

Topic: Rigorous Development of Communicating Systems

Grant: 5 000 €

Liljeberg Pasi Kristian

Turun yliopisto, Informaatioteknologian laitos

Topic: Asynkroniset piiriarkkitehtuurit ja signaalointimenetelmät tulevaisuuden tietoliikennejärjestelmäpiireissä

Grant: 5 000 €

Loikkanen Mikko Topi

Oulun yliopisto, Sähkö- ja tietotekniikan osasto

Topic: Audio- ja tehonsäätörakenteiden pienitehoiset matalan käyttöjännitteen CMOS tehovahvistimet

Grant: 5 000 €

Makkonen Matti Tapani

Teknillinen korkeakoulu, Teknillisen fysiikan ja matematiikan osasto

Topic: Akustiset pinta-aaltosuodattimet bluetooth-standardiin ja langattoman lähiverkon (5GHz) taajuuksille

Grant: 5 000 €

Miao Honglei

University of Oulu

Topic: Pilot Based and Blind Channel Estimation for Wireless MIMO-ofdm System

Grant: 5 000 €

Miettinen Jani Tapio

Tampereen teknillinen korkeakoulu, Sähkötekniikan osasto

Topic: Mikroelektroniikan 3D pakkaustekniikan luotettavuutta käsittelevä väitöstutkimus

Grant: 5 000 €

Moltchanov Dmitri

Tampereen teknillinen korkeakoulu, Tietotekniikan osasto

Topic: Packet Level Performance Evaluation of 4g All-ip Mobile Networks

Grant: 5 000 €

Ojansivu Ville Pertti Johannes

Oulun yliopisto, Sähkö- ja tietotekniikan osasto

Topic: Video Stabilization and Applications

Grant: 5 000 €

Paavola Jarkko Ilari

Turun yliopisto, Informaatioteknologian laitos

Topic: Signal Design for High-capacity CDMA Networks

Grant: 5 000 €

Penttilä Katariina Maaria

Tampereen teknillinen yliopisto

Topic: Rfid-lukijan kehittäminen tulevaisuuden automatisoituun läsnä-äly-tunnistukseen

Grant: 5 000 €

Pesonen Lauri Ilja Waltter

University of Cambridge, Computer Laboratory

Topic: Autentikointi ja valtuutus avoimissa ja laajastihajautetuissa järjestelmissä

Grant: 5 000 €

Pirinen Tuomo Väinö Vilhelm

Tampereen teknillinen korkeakoulu, Tietotekniikan osasto

Topic: Aikaeroon perustuva tulosuunnan arviointi

Grant: 5 000 €

Poikonen Jonne Kalevi

Turun yliopisto, Informaatioteknologian laitos

Topic: Analogisten rakenteiden optimointi suuritehoista rinnakkaisprosessoria varten

Grant: 5 000 €

Riihimäki Jouni Antero

Tampereen teknillinen korkeakoulu, Tietotekniikan osasto

Topic: Hw:n mallinnus ja varmennus korkealla abstraktitasolla

Grant: 5 000 €

Ritari Tuomo Matias

Teknillinen korkeakoulu, Sähkö- ja tietoliikennetekniikan osasto

Topic: Fotonikidekuitujen optiset ominaisuudet ja sovellukset tietoliikennetekniikassa

Grant: 5 000 €

Riva Claudio

Vienna University of Technology

Topic: Architecture Reconstruction

Grant: 5 000 €

Roman Timo Eric

Teknillinen korkeakoulu, Sähkö- ja tietoliikennetekniikan osasto

Topic: Advanced Receiver Algorithms for Multicarrier MIMO Communication Systems

Grant: 5 000 €

Salo Jari Pekka

Teknillinen korkeakoulu, Sähkö- ja tietoliikennetekniikan osasto

Topic: Radiokanavan Markovmallinnus moniantennijärjestelmissä

Grant: 5000 €

Siekkinen Matti Mikael

Institut Eurécom/ University of Nice -Sophia Antipolis

Topic: Network Tomography Applied to TCP

Grant: 5 000 €

Siivola Vesa Sakari

Teknillinen korkeakoulu, Informaatiotekniikan laboratorio

Topic: Kielen mallintaminen puheentunnistusta varten

Grant: 5 000 €

Sirola Niilo Torsten

Tampereen teknillinen korkeakoulu

Topic: Algoritmeja sateliitti- ja tukiasema-paikannusdatan yhdistämiseen

Grant: 5 000 €

Sommarek Johan Valfrid Daniel

Teknillinen korkeakoulu, Sähkö- ja tietoliikennetekniikan osasto

Topic: Monistandardi modulaattorin toteuttaminen digitaalis-analogisena integroituna piirinä ja digitaali-analogia rajapinnan siirtäminen kohti antennia

Grant: 5 000 €

Teikari Ilari Aleksi

Teknillinen korkeakoulu, Sähkö- ja tietoliikennetekniikan osasto

Topic: Tehovahvistimien digitaaliset linearisointimenetelmät

Grant: 5 000 €

Tiuraniemi Teemu Sakari

Oulun yliopisto / Swiss Federal Institute of Technology

Topic: Ultra Wideband Systems

Grant: 5 000 €

Toivonen Tuukka Olli Artturi

Oulun yliopisto, Sähkö- ja tietotekniikan osasto

Topic: Muunnospohjainen liikkeen estimointi

Grant: 5 000 €

Tölli Antti Heikki

Oulun yliopisto, Sähkö-osasto

Topic: Radioresurssien hallinta tulevaisuuden langattomissa (4g) matkaviestintäjärjestelmissä

Grant: 5 000 €

Uusikartano Riku Henrik

Tampereen teknillinen korkeakoulu, Tietotekniikan osasto

Topic: Hardware-efficient Intermediate Frequency Signal Processing Architecture for Digital Transceivers

Grant: 5 000 €

Vainionpää Anne-Maria

Tampereen teknillinen yliopisto, Optoelektroniikan tutkimuskeskus

Topic: Vertikaalisella geometrialla toteutettavat ultranopeat valolähteet

Grant: 5 000 €

Vakaslahti Pasi Markus

Tampereen teknillinen yliopisto / UNM & Santa Fe Institute

Topic: Corporate Networks: Software Co-development in the Context of Product Process, Value Chains and Business Models

Grant: 5 000 €

Valtanen Jani Lauri Johannes

Tampereen teknillinen korkeakoulu, Sähkötekniikan osasto

Topic: Elektroniikan liitostekniikoiden luotettavuuden laskennallinen mallinnus

Grant: 5 000 €

Vanne Jarno Johannes

Tampereen teknillinen korkeakoulu, Institute of Digital and Computer Science

Topic: Parallel Memories for Application Specific and General-purpose Design

Grant: 5 000 €

Vartiainen Juha Johannes

Teknillinen korkeakoulu, Teknillisen fysiikan ja matematiikan osasto

Topic: Quantum Computing on Superconducting Circuits

Grant: 5 000 €

Veselinovic Nenad

Oulun yliopisto, CWC

Topic: Joint Iterative Decoding and Interference Suppression in Future Wireless Systems

Grant: 4 000 €

Viholainen Ari Tapio

Tampereen teknillinen korkeakoulu, Tietotekniikan osasto

Topic: Filter Bank Design for Multicarrier Systems

Grant: 5 000 €

Virrankoski Reino Veikko Tapio

Teknillinen korkeakoulu / Yale University

Topic: Localization in Wireless Ad-hoc Networks

Grant: 5 000 €

Virtanen Satu Elisa

Teknillinen korkeakoulu, Tietotekniikan osasto / Chilen yliopisto

Topic: Epäuniformien satunnaisverkkojen algoritmit

Grant: 5 000 €

Vuokko Lasse Veikko Samuli

Teknillinen korkeakoulu, Radiolaboratorio

Topic: MIMO Radio Systems and Radiowave Propagation

Grant: 5 000 €

Väänänen Olli Johannes

Teknillinen korkeakoulu, Sähkö- ja tietoliikennetekniikan osasto

Topic: Tehovahvistimen hyötysuhteen parantaminen digitaalisilla signaalinkäsittelymenetelmillä

Grant: 5 000 €

Zhang Jian

Jyväskylän yliopisto

Topic: QoS- and Revenue-aware Scheduling Algorithms for Web Server Systems

Grant: 5 000 €

Zheng Xiasong

University of Oulu

Topic: Enterprise Mobile Services, a Case Study of Mobile Virtual Meeting

Grant: 5000 €

2002

Aho Eero

Tampereen teknillinen korkeakoulu, Tietotekniikan osasto

Topic: Konfiguroitava rinnakkaismuisti multimediasovelluksille

Grant: 5 000 €

Alakarhu Juha

Tampereen teknillinen korkeakoulu

Topic: DRAM-muistien suorituskyvyn parantaminen tehokkaalla sarakevahvistimien käytöllä

Grant: 3 500 €

Alén Petra

Helsingin yliopisto, Epäorgaanisen kemian osasto

Topic: Nitridikalvojen kasvattaminen ALD-menetelmällä mikroelektroniikan sovelluksiin

Grant: 4 000 €

Alhoniemi Esa

Teknillinen korkeakoulu

Topic: Unsupervised methods for analysis of industrial process data

Grant: 5 000 €

Babic Djordje

Tampereen teknillinen korkeakoulu

Topic: Sampling rate conversion in software radio receivers

Grant: 4 000 €

Belov Pavel

Teknillinen korkeakoulu

Topic: Analytical Studies of Complex Microwave Stop Band Structures

Grant: 5 000 €

Bingham Ella

Teknillinen korkeakoulu, Tietotekniikan osasto

Topic: Tiedonhaun tilastolliset menetelmät, erityisesti riippumattomien komponenttien analyysi

Grant: 4 500 €

Björklund Dag

Åbo Akademi

Topic: High-level Design of Heterogenous Embedded Systems

Grant: 5 000 €

César Pablo

Teknillinen korkeakoulu

Topic: Graphical User Interface Components for Embedded Devices

Grant: 5 000 €

Collin Jussi

Tampereen teknillinen korkeakoulu, Digitaali- ja tietokonetekniikka

Topic: Sensoriavusteinen henkilökohtainen paikannus

Grant: 5 000 €

Costa-Requena Jose

Teknillinen korkeakoulu

Topic: Ad Hoc Networks within UMTS

Grant: 5 000 €

Cvejic Nedeljko

Oulun yliopisto

Topic: Audio Watermarking Algorithms and Steganographic Analysis of Audio Signals

Grant: 5 000 €

Eriksson Jan

Teknillinen korkeakoulu

Topic: Improved and Extended Algorithms for Blind MIMO Separation

Grant: 5 000 €

Eronen Antti

Tampereen teknillinen korkeakoulu

Topic: Äänen lähteen automaattinen tunnistus

Grant: 5 000 €

Genty Goery

Teknillinen korkeakoulu

Topic: Novel Components for High-speed Telecommunications

Grant: 3 000 €

Haanpää Harri

Teknillinen korkeakoulu, Tietotekniikan osasto

Topic: Computational Generation of Combinatorial Structures

Grant: 5 000 €

Harju Lasse

Tampereen teknillinen korkeakoulu, Digitaali- ja tietotekniikan laitos

Topic: Monistandardivastaanottimen digitaaliradion toteutusmenetelmät järjestelmämikropiirillä

Grant: 5 000 €

Haverinen Henry

Tampereen teknillinen korkeakoulu, Tietotekniikan osasto

Topic: Langattomien lähiverkkojen ja mobiiliverkkojen konvergenssi

Grant: 5 000 €

Heikkinen Jouko

Tampereen teknillinen korkeakoulu, Elektroniikan laitos

Topic: Langaton tehonsiirto

Grant: 5 000 €

Heiskanen Antti

Oulun yliopisto

Topic: RF-tehovahvistimen särön muisti-ilmiöiden analysointi ja minimointi

Grant: 5 000 €

Henttu Pertti

Oulun yliopisto, Tietoliikennelaboratorio

Topic: Häiriön vaimennus laajakaistaisessa tietoliikennesysteemissä

Grant: 5 000 €

Honkala Mikko Alvari

Teknillinen korkeakoulu, Sähkö-ja tietoliikennetekniikan osasto

Topic: Rinnakkaiset piirisimulointimenetelmät

Grant: 5 000 €

Honkala Mikko Johannes

Teknillinen korkeakoulu, Tietotekniikan osasto

Topic: Interactive XML Devices

Grant: 5 000 €

Häkli Janne

Teknillinen korkeakoulu, Sähkö-ja tietoliikennetekniikan osasto

Topic: Kaksiheijastaminen syöttö hologrammiin perustuvaan kompaktiin antennimittauspaikkaan

Grant: 5 000 €

Jouhti Tomi

Tampereen teknillinen korkeakoulu

Topic: Optisen tietoliikenteen uusien puolijohdelaserien suunnittelu, valmistus ja karakterisointi

Grant: 5 000 €

Kaija Tero

Tampereen teknillinen korkeakoulu, Sähkötekniikan osasto

Topic: Komponenttimittauksissa käytettävien testirakenteiden optimointi SOI-alustalla

Grant: 5 000 €

Kalimo Harri

Turun yliopisto, Oikeustieteellinen tiedekunta

Topic: Recycling - at Cross Roads of Environmental Protection and Free Trade

Grant: 5 000 €

Ketola Jaakko

Teknillinen korkeakoulu

Topic: Digitaaliset ylössekoituspiirit

Grant: 5 000 €

Kinnula Marianne

Oulun yliopisto, Tietojenkäsittelytieteen laitos

Topic: Ohjelmistotilaaajatoimittajasuhteen onnistumisen edellytykset suhteen muutosvaiheessa

Grant: 5 000 €

Kohvakka Mikko

Tampereen teknillinen korkeakoulu, Tietotekniikka

Topic: Ubinode -päätelaitteen suunnittelu ja toteutus

Grant: 5 000 €

Korhonen Jarmo

Teknillinen korkeakoulu, Tietotekniikan osasto

Topic: Semantic Web Services and Software Architecture

Grant: 5 000 €

Kosonen Harri

Teknillinen korkeakoulu, Teknillisen fysiikan ja matematiikan laitos

Topic: Polymeeriset "bandgap" -materiaalit

Grant: 4 000 €

Kurjenniemi Janne

Jyväskylän yliopisto

Topic: Radioresurssien hallinta langattomissa matkaviestintäjärjestelmissä

Grant: 4 000 €

Kuusniemi Heidi

Tampereen teknillinen korkeakoulu, Tietotekniikan osasto

Topic: Virheentunnistus matkapuhelimen käyttäjän paikannuksessa

Grant: 5 000 €

Kämäräinen Joni-Kristian

Lappeenrannan teknillinen korkeakoulu

Topic: Tila-taajuus kuva-analyysi Gabor-suotimilla

Grant: 2 000 €

Lahtinen Vesa

Tampereen teknillinen korkeakoulu, Tietotekniikanosasto

Topic: Valmiiksi suunniteltujen lohkojen yhteenliittäminen mikropiirien suunnittelussa

Grant: 5 000 €

Laiho Mika

Teknillinen korkeakoulu, Sähkö- ja tietoliikennetekniikan osasto

Topic: Integroidut sovelluskohtaiset rinnakkaisprosessorit

Grant: 5 000 €

Laitinen Tommi

Technical University Denmark

Topic: Nopeaan antennimittauslaitteistoon soveltuvan kaksoispolarisaatioantennin kehittäminen 0.9 - 3 GHz:n taajuusalueelle

Grant: 5 000 €

Lehtomäki Janne

Oulun yliopisto, Sähkötekniikan osasto

Topic: Tietoliikennesignaalien ilmaisu

Grant: 5 000 €

Leino Jari

Jyväskylän yliopisto

Topic: Tx Diversity Schemes in WCDMA Network

Grant: 5 000 €

Li Zhenghong

University of Oulu

Topic: Adaptive MILSE-based PSP Receivers for Space-time Coded System

Grant: 5 000 €

Liljeberg Pasi

Turun yliopisto, Informaatioteknologian laitos

Topic: Asynkroniset piiriarkkitehtuurit ja signaalointimenetelmät tulevaisuuden tietoliikennejärjestelmäpiirissä

Grant: 5 000 €

Lohan Simona

Tampereen teknillinen korkeakoulu

Topic: Channel Estimation for Wideband CDMA Receivers

Grant: 5 000 €

Lönnqvist Anne

Teknillinen korkeakoulu, Sähkötekniikka

Topic: Radiotaajuiset hologrammit

Grant: 5 000 €

Manner Jukka

Helsingin yliopisto, Tietojenkäsittelytieteenlaitos

Topic: Interactions of IP QoS and Mobility Management in a Wireless Access Network

Grant: 5 000 €

Mäenpää Topi

Oulun yliopisto, Sähkö- ja tietotekniikan osasto

Topic: Paikallisten binäärikuvien ja väri-informaation käyttö reaaliaikaisessa kuva-analyysissä

Grant: 5 000 €

Niemistö Riitta

Tampereen teknillinen korkeakoulu

Topic: Fast Adaptive and Iterative Algorithms for Design of Linear Filters

Grant: 5 000 €

Pihkala Kari

Teknillinen korkeakoulu, Tietotekniikan osasto

Topic: Adaptiiviset multimediaformaattit

Grant: 5 000 €

Pirinen Pekka

Oulun yliopisto, Sähkö- ja tietotekniikan osasto

Topic: Kehittyneiden laajakaistaisten CDMA-radioverkkojen kapasiteetti- ja herkkyyssanalyysi

Grant: 5 000 €

Punkka Konsta

Tampereen teknillinen korkeakoulu, Tietotekniikanosasto

Topic: Digitaalisten signaalinkäsittely-järjestelmien toteutus

Grant: 5 000 €

Purhonen Anu

Oulun yliopisto

Topic: Hardware-related Software Architecture Development

Grant: 5 000 €

Raju Karthikesh

Teknillinen korkeakoulu

Topic: Adaptive Separation Algorithms for Communication Receivers

Grant: 5 000 €

Rissa Tero

University of London, Imperial College, Department of Computing

Topic: Methods and Tools for Developing Applications on Advanced Reconfigurable Platforms and Programmable System-on-chip Devices

Grant: 5 000 €

Saarinen Jarkko J.

Joesuun yliopisto

Topic: Nanokomposiittien optiset ominaisuudet ja dispersioteoria

Grant: 5 000 €

Sairo Hanna

Tampereen teknillinen korkeakoulu, Tietotekniikan osasto

Topic: Satelliittipaikannusdatan jalostaminen

Grant: 5 000 €

Salminen Erno

Tampereen teknillinen korkeakoulu, Digitaali- ja tietotekniikan laitos

Topic: Järjestelmäpiirien kommunikointi-menetelmien tutkimus ja kehitys

Grant: 5 000 €

Salo Teemu

Teknillinen korkeakoulu, Piiriteknikan laboratorio

Topic: Digitaalisen kanavanvalinnan mahdollistava analogia-digitaali-rajapinta matkapuhelinvastaanottoon

Grant: 5 000 €

Seppälä Anne

Tampereen teknillinen korkeakoulu, Sähkötekniikan osasto

Topic: Suoraliittäminen anistrooppisesti johtavilla liimoilla

Grant: 5 000 €

Silverajan Bilhanan

Tampereen teknillinen korkeakoulu

Topic: Extending CORBA Technology for Next Generation Network Applications

Grant: 5 000 €

Sirbu Marius

Teknillinen korkeakoulu

Topic: Channel Estimation and Equalization Techniques for MIMO Systems

Grant: 5 000 €

Suvikunnas Pasi

Teknillinen korkeakoulu, Sähkö- ja tietoliikennetekniikan osasto

Topic: Monielementtisten antennien optimointi MIMO-järjestelmissä

Grant: 5 000 €

Tohka Jussi

Tampereen teknillinen korkeakoulu, Tietotekniikka

Topic: Globaaliin optimointiin perustuvat mukautuvat pintamallit

Grant: 4 000 €

Valtanen Jani

Tampereen teknillinen korkeakoulu

Topic: Elektroniikan liitostekniikoiden luotettavuuden laskennallinen mallinnus

Grant: 5 000 €

Valtonen Tuomas

Turun yliopisto

Topic: New Concepts for Future Information Processing and Telecommunication

Grant: 5 000 €

Vanne Jarno

Tampereen teknillinen korkeakoulu

Topic: Multimedia Processor Utilizing Configurable Parallel Memory Architecture

Grant: 5 000 €

Vecelinovic Nenad

University of Oulu

Topic: Joint Iterative Decoding and Interference Suppression in Future Wireless Systems

Grant: 4 000 €

Virtanen Tuomas

Tampereen teknillinen korkeakoulu

Topic: Äänisignaalien sisällön analyysi välitason esitysmuotojen avulla

Grant: 5 000 €

Vuori Vuokko

Teknillinen korkeakoulu, Tietotekniikan osasto

Topic: Adaptive Methods for On-line Recognition of Isolated Handwritten Characters

Grant: 5 000 €

Vähä-Heikkilä Tauno

Turun yliopisto

Topic: 0.1 - 110 GHz RF MEMS komponentit

Grant: 5 000 €

Väänänen Olli

Teknillinen korkeakoulu

Topic: Matkaviestintäjärjestelmän tukiaseman tehovahvistimen hyötysuhteen parantaminen käyttämällä digitaalisia signaalinkäsittelymenetelmiä

Grant: 5 000 €

Please find additional information on Nokia Foundation grants and grant receivers 1995 – 2004 [here](#) (PDF).

Nokia Foundation
P.O. Box 226
FI-00045 NOKIA GROUP
Finland

nokia.foundation@nokia.com