NOKIA FOUNDATION

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 Jhunjhunwala
Aalto University School of Electrical Engineering
Topic: Methods Improving Software Design Efficiency for Flexible Industrial Automation
Grant: 5 000 €

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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 Ryynänen
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
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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
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Topic: Developing Analysis Tools and Methods for Power Efficient Minimization of Nonlinear Distortion in Radio Circuits
Grant: 5 000 €

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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
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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 Hyyppä
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 €

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Tampere University
Topic: Machine Learning Techniques for Mitigating Unfairness in Recommendation Systems
Grant: 6 000 €

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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 Impairements and Interference Management Solutions
Grant: 6 000 €

Irfan Muhammad
University of Oulu
Topic: Dependability for Future Wireless Machine Type Communication Networks
Grant: 5 000 €

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Aalto University School of Science
Topic: Scalable Algorithm Designs for Web-scale Data
Grant: 6 000 €

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University of Oulu
Topic: Blockchain Technology for a Service Market
Grant: 6 000 €

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University of Oulu
Topic: The Intergenerational Aspect of Shaping Children's Learning in Digital Fabrication Activities
Grant: 2 000 €

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Topic: Performance Analysis of Massive Low Earth Orbit Internet Constellations
Grant: 6 000 €

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Topic: Software-Defined Resource Management for Industrial Internet of Things
Grant: 6 000 €

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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 Pärlin
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 €

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University of Helsinki
Topic: Intelligent Pervasive Sensing
Grant: 6 000 €

2020

Mohamed Abdelaziz
Topic: Ultra-reliable Low-Latency Vehicular Communication
Grant: 5 000 €

Raju Ahamed
Topic: Millimeter-wave RF Front-end Circuits for 5G and Beyond Wireless Communications
Grant: 5 000 €

Tanwir Ahmad
Topic: Performance exploration and testing of software-intensive systems
Grant: 5 000 €

Iqrar Ahmed
Topic: Exploiting the role of optical wireless communication in medical ICT
Grant: 5 000 €

Ihtisham Ali
Topic: Visual-SLAM for autonomous vehicles in unregulated dynamic environment
Grant: 5 000 €

Nachiket Ayir
Topic: Designing optimal waveforms and developing a test-bed for simultaneous wireless information and power transfer
Grant: 5 000 €

Yazan A. M. Barhoush
Topic: Towards an articulated rehabilitation in VR: Improving arm tracking using a novel module
Grant: 4 920 €

Jiangcheng Chen
Topic: Wideband millimeter wave and THz antenna design for high data rate 5G and 6G communication systems
Grant: 3 500 €

Francisco Cuesta
Topic: Control of Electromagnetic Waves based on Metamaterials
Grant: 5 000 €

Sneha Das
Topic: Speech and Audio Enhancement for Coding in Multi-microphone Ad-hoc Networks
Grant: 5 000 €

Pekka Enberg
Topic: The Parakernel Operating System
Grant: 5 000 €

Majdoddin Esfandiari
Topic: Array processing aided mmWave channel estimation
Grant: 5 000 €

Tahmoores Farjam
Topic: Co-Design of Control and Communication Protocols in Wireless Networked Control Systems
Grant: 5 000 €

Jaakko Matias Haarla
Topic: Beam steerable antenna arrays for mobile networks
Grant: 5 000 €

Ibbad Hafeez
Topic: Securing the Internet-of-Things in edge-networks
Grant: 5 000 €

Mikko Heikkilä
Topic: Advances in privacy preserving machine learning
Grant: 5 000 €

Tharaka Hewa
Topic: Decentralized and Scalable Blockchain based Security Service Architecture for 5G IoT
Grant: 5 000 €

Gazi Karam Illahi
Topic: Quality of Experience (QoE) improvement in Distributed Multimedia Systems
Grant: 5 000 €

Asad Javed
Topic: Scalable and Fault-Tolerant IoT Architecture for Smart City Environments
Grant: 5 000 €

Emre Can Kaya
Topic: Immersive Visual Data Compression
Grant: 5 000 €

Bilal Khan
Topic: Robust and Simplified Digital Predistortion Solutions for Millimeter-Wave Multi-Antenna
Transmitters
Grant: 5 000 €

Vladislav Khayrudinov
Topic: Semiconductor nanowires in telecommunications: all-optical computing
Grant: 5 000 €

Duc Le
Topic: Robust and versatile antenna and RF technology for energy-efficient implantable and wearable
devices in body area networks
Grant: 5 000 €

Mikko Leino
Topic: Semiconductor nanowires in telecommunications: all-optical computing using nanowires
Grant: 5 000 €

Tong Li
Topic: Robust and versatile antenna and RF technology for energy-efficient implantable and wearable
devices in body area
networks
Grant: 5 000 €

Krista Longi
Topic: Beam-steerable Antennas at Millimeter-wave Frequencies
Grant: 5 000 €

Yi Lu
Topic: Behavioral Pattern Recognition in Mobile Big Data
Grant: 5 000 €

Mohammad Moltafet
Topic: Machine learning methods for signal processing
Grant: 5 000 €

Emadaldin Mozafari Majd
Topic: Millimeter Wave Positioning and Location-Aware Communications for 5G-Empowered
Industrial IoT
Grant: 5 000 €

Parisa Nouri
Topic: Cooperative Diversity Mechanisms for Critical Machine-Type Communications
Grant: 5 000 €

Jonas Oppenlaender
Topic: Harvesting Folk Theories for a Better Understanding of Human-AI Interaction
Grant: 5 000 €

Jorge Peña Queralta
Topic: Collaboration in Heterogeneous Multi-Robot Systems with Blockchain Technology and Edge
Computing
Grant: 5 000 €

Cesar Pereida Garcia
Topic: Cryptography Engineering and Side-Channel Analysis
Grant: 4 350 €

Jere Rusanen
Topic: Integrated Millimeter-Wave Power Amplifier Architectures for 5G
Grant: 5 000 €

Nyyti Saarimäki
Topic: Towards mitigating code technical debt using automated static analysis tools
Grant: 5 000 €

Elham Shamsa
Topic: Self-Aware Resource Management in Embedded Systems: from Resource Allocation to Quality
Configuration
Grant: 5 000 €

Masoud Sharifian Mazraehmollaei
Topic: Metamaterials for controlling the near fields of short-wave electromagnetic sources
Grant: 5 000 €

Hamid Shiri
Topic: Machine Learning Aided Wireless Autonomous Control
Grant: 5 000 €

Panu Sjövall
Topic: Research of High-Level Synthesis by Using it to Implement Kvazaar HEVC Video Encoder on
FPGA
Grant: 5 000 €

Fahad Sohrab
Topic: Subspace learning for one-class classification
Grant: 5 000 €

Arthur Sousa de Sena
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
Topic: Integrated Access and Backhaul in 5G systems
Grant: 5 000 €

Petri Vähäkainu
Topic: Artificial Intelligence -supported Security in Cyber- physical Environment in Smart Buildings

Context
Grant: 5 000 €

Dianlei Xu
Topic: Intelligent and privacy-preserving task migration strategy in edge computing
Grant: 5 000 €

Jawad Yasin
Topic: Collision Prediction and avoidance in a swarm of drones
Grant: 5 000 €

Sorrachai Yingchareonthawornchai
Topic: Fast and Scalable Algorithms for Computing Vertex Connectivity
Grant: 5 000 €

Narges Yousefnezhad
Topic: Probabilistic Machine Learning Based Context Aware Security for Internet of Things
Grant: 5 000 €

2019

Mohamed Abdelaziz
Topic: Ultra-reliable Low-Latency Vehicular Communication
Grant: 5 000 €

Raju Ahamed
Topic: Millimeter-wave RF Front-end Circuits for 5G and Beyond Wireless Communications
Grant: 5 000 €

Tanwir Ahmad
Topic: Performance exploration and testing of software-intensive systems
Grant: 5 000 €

Iqrar Ahmed
Topic: Exploiting the role of optical wireless communication in medical ICT
Grant: 5 000 €

Ihtisham Ali
Topic: Visual-SLAM for autonomous vehicles in unregulated dynamic environment
Grant: 5 000 €

Nachiket Ayir
Topic: Designing optimal waveforms and developing a test-bed for simultaneous wireless information and power transfer
Grant: 5 000 €

Yazan A. M. Barhoush
Topic: Towards an articulated rehabilitation in VR: Improving arm tracking using a novel module

Grant: 4 920 €

Jiangcheng Chen

Topic: Wideband millimeter wave and THz antenna design for high data rate 5G and 6G communication systems
Grant: 3 500 €

Francisco Cuesta

Topic: Control of Electromagnetic Waves based on Metamaterials
Grant: 5 000 €

Sneha Das

Topic: Speech and Audio Enhancement for Coding in Multi-microphone Ad-hoc Networks
Grant: 5 000 €

Pekka Enberg

Topic: The Parakernel Operating System
Grant: 5 000 €

Majdoddin Esfandiari

Topic: Array processing aided mmWave channel estimation
Grant: 5 000 €

Tahmoores Farjam

Topic: Co-Design of Control and Communication Protocols in Wireless Networked Control Systems
Grant: 5 000 €

Jaakko Matias Haarla

Topic: Beam steerable antenna arrays for mobile networks
Grant: 5 000 €

Ibbad Hafeez

Topic: Securing the Internet-of-Things in edge-networks
Grant: 5 000 €

Mikko Heikkilä

Topic: Advances in privacy preserving machine learning
Grant: 5 000 €

Tharaka Hewa

Topic: Decentralized and Scalable Blockchain based Security Service Architecture for 5G IoT
Grant: 5 000 €

Gazi Karam Illahi

Topic: Quality of Experience (QoE) improvement in Distributed Multimedia Systems
Grant: 5 000 €

Asad Javed

Topic: Scalable and Fault-Tolerant IoT Architecture for Smart City Environments
Grant: 5 000 €

Emre Can Kaya

Topic: Immersive Visual Data Compression

Grant: 5 000 €

Bilal Khan
Topic: Robust and Simplified Digital Predistortion Solutions for Millimeter-Wave Multi-Antenna Transmitters
Grant: 5 000 €

Vladislav Khayrudinov
Topic: Semiconductor nanowires in telecommunications: all-optical computing
Grant: 5 000 €

Duc Le
Topic: Robust and versatile antenna and RF technology for energy-efficient implantable and wearable devices in body area networks
Grant: 5 000 €

Mikko Leino
Topic: Semiconductor nanowires in telecommunications: all-optical computing using nanowires
Grant: 5 000 €

Tong Li
Topic: Robust and versatile antenna and RF technology for energy-efficient implantable and wearable devices in body area networks
Grant: 5 000 €

Krista Longi
Topic: Beam-steerable Antennas at Millimeter-wave Frequencies
Grant: 5 000 €

Yi Lu
Topic: Behavioral Pattern Recognition in Mobile Big Data
Grant: 5 000 €

Mohammad Moltafet
Topic: Machine learning methods for signal processing
Grant: 5 000 €

Emadaldin Mozafari Majd
Topic: Millimeter Wave Positioning and Location-Aware Communications for 5G-Empowered Industrial IoT
Grant: 5 000 €

Parisa Nouri
Topic: Cooperative Diversity Mechanisms for Critical Machine-Type Communications
Grant: 5 000 €

Jonas Oppenlaender
Topic: Harvesting Folk Theories for a Better Understanding of Human-AI Interaction
Grant: 5 000 €

Jorge Peña Queralta
Topic: Collaboration in Heterogeneous Multi-Robot Systems with Blockchain Technology and Edge

Computing
Grant: 5 000 €

Cesar Pereida Garcia
Topic: Cryptography Engineering and Side-Channel Analysis
Grant: 4 350 €

Jere Rusanen
Topic: Integrated Millimeter-Wave Power Amplifier Architectures for 5G
Grant: 5 000 €

Nyyti Saarimäki
Topic: Towards mitigating code technical debt using automated static analysis tools
Grant: 5 000 €

Elham Shamsa
Topic: Self-Aware Resource Management in Embedded Systems: from Resource Allocation to Quality
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Grant: 5 000 €

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Topic: Metamaterials for controlling the near fields of short-wave electromagnetic sources
Grant: 5 000 €

Hamid Shiri
Topic: Machine Learning Aided Wireless Autonomous Control
Grant: 5 000 €

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Topic: Research of High-Level Synthesis by Using it to Implement Kvazaar HEVC Video Encoder on
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Grant: 5 000 €

Fahad Sohrab
Topic: Subspace learning for one-class classification
Grant: 5 000 €

Arthur Sousa de Sena
Topic: Enhancing Spectral and Energy Efficiency of Future Multi-Antenna Wireless Communication
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Reflecting Surfaces and Advanced Multiple Access Technologies
Grant: 5 000 €

Nikita Tafintsev
Topic: Integrated Access and Backhaul in 5G systems
Grant: 5 000 €

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Topic: Artificial Intelligence -supported Security in Cyber- physical Environment in Smart Buildings
Context
Grant: 5 000 €

Dianlei Xu

Topic: Intelligent and privacy-preserving task migration strategy in edge computing

Grant: 5 000 €

Jawad Yasin

Topic: Collision Prediction and avoidance in a swarm of drones

Grant: 5 000 €

Sorrachai Yingchareonthawornchai

Topic: Fast and Scalable Algorithms for Computing Vertex Connectivity

Grant: 5 000 €

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

Grant: 5 000 €

2018

Aizenbud Yariv

Topic: Randomized algorithms in numerical linear algebra and data analysis

Grant: 5 000 €

Alcaraz López Onel Luis

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

Grant: 5 000 €

Anzanpour Arman

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

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Apilo Olli

Topic: Energy efficiency analysis and improvements of multiple-input multiple-output cellular communications

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Astola Pekka

Topic: Light field compression and applications

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

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Topic: Test Case Prioritization Using Build History and Test Similarities: An Approach for Improving
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Topic: Smart Data: Reshaping Data in IoT for Tackling the Vs of Big Data using Fog Computing
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Topic: Identity privacy of a 5G user over the radio link
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Topic: Nanowire based all-optical computing
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Topic: Foveated Path Tracing for Photo-Realistic Virtual Reality
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Topic: mm-Wave MIMO Receiver Design in nanometer CMOS for 5G Systems
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Topic: Human Visual Attention Analysis Based on Eye Movement Data
Grant: 4 500 €

2017

Adavanne Sharath
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Topic: Sound event localization and detection in real life multichannel audio using deep learning methods
Grant: 5 000 €

Ahmad Ijaz
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Topic: Scalable and Secure Control Plane Architecture for Software Defined Mobile Networks
Grant: 5 000 €

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Topic: Automated Detection of Atrial Fibrillation via Joint Accelerometer and Gyroscope Sensors in Smart Embedded Devices
Grant: 5 000 €

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Topic: Approximation Techniques for Data Intensive Computing on Edge Processing Devices - Trading Accuracy for Performance and Energy
Grant: 5 000 €

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Topic: Boosting Finnish language technology with big data, deep neural networks and multilingual learning
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Grant: 5 000 €

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University of Oulu
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Grant: 5 000 €

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Grant: 5 000 €

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Topic: High-accuracy positioning and location-aware communications in future 5G networks
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Topic: Efficient Biometrics based User's Authentication Framework in Future Gadget-Free
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Grant: 5 000 €

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Topic: Integrated Digital-Intensive Radio Transmitters for 5G
Grant: 5 000 €

Lempiäinen Tuomo
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Topic: Complexity Classes in Distributed Computing
Grant: 5 000 €

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Topic: Drawbacks of Co-Creation with Users of Cyber-Physical Systems and Services: A Value Co-
Destruction Perspective
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Liu Chen-Feng
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Topic: Heterogeneous Resource Allocation for Hierarchical Software-Defined Radio Access Networks
at the Network Edge
Grant: 5 000 €

Luiza Sayfullina
Aalto University School of Science
Topic: Domain adaptation for text classification using neural networks
Grant: 5 000 €

Majd Amin
University of Turku
Topic: Runtime Optimization Approaches for Smart Access Points Placement using Fog Computing
Grant: 5 000 €

Mekonnen Tenager
University of Oulu
Topic: Efficient Resource Management of Internet of Things (IoT) for scalable deployment in Future

Wireless Networks
Grant: 5 000 €

Mohammed Abdulmelik
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Topic: Algorithms and models for biomolecular nanotechnology
Grant: 5 000 €

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Topic: Energy-Efficient Transmission Strategies for Multi-antenna Systems
Grant: 5 000 €

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Topic: Harvesting the Dark Silicon Employing Heterogeneous Accelerator-Rich Platform for Energy Conservation
Grant: 5 000 €

Paasovaara Susanna
Tampere University of Technology
Topic: Designing Playful Mobile Technology to Encourage Social Interaction between Nearby Strangers
Grant: 5 000 €

Pereida Garcia Cesar
Tampere University of Technology
Topic: Side-Channel Analysis and Cryptography Engineering
Grant: 5 000 €

Perez-Macias Jose Maria
Tampere University of Technology
Topic: Sleep quality estimation, obstructive sleep apnoea (OSA) diagnostics using EMFi sensors and sound recordings
Grant: 3 500 €

Rajamäki Robin
Aalto University School of Electrical Engineering
Topic: Sparse sensor array configurations and processing for active and passive sensing
Grant: 5 000 €

Rizwan Muhammad
Tampere University of Technology
Topic: Design and Development of Efficient and Conformal Printed Antennas for Wireless Sensing and Wearable Applications
Grant: 5 000 €

Rozenshtein Polina
Aalto University School of Science
Topic: Analysis of interaction networks
Grant: 5 000 €

Salomaa Jarno
Aalto University School of Electrical Engineering
Topic: Ultra-low power integrated circuits for energy harvesting wireless sensor nodes
Grant: 5 000 €

Singh Bikramjit
Aalto University School of Electrical Engineering
Topic: Spectrum Management in Non-Latency and Latency constraint Next-Generation Networks
Grant: 5 000 €

Sjövall Panu
Tampere University of Technology
Topic: Research of High-Level Synthesis by using it to Implement Kvazaar HEVC video encoder on FPGA
Grant: 5 000 €

Tamoor-ul-Hassan Syed
University of Oulu
Topic: Computation Offloading for Efficient Resource Utilization in Low-latency Cloud-Aided Wireless Networks with Edge Caching
Grant: 5 000 €

Tcvetkova Svetlana
Aalto University School of Electrical Engineering
Topic: Extreme and optimal metasurfaces
Grant: 5 000 €

Tervo Nuutti
University of Oulu
Topic: Radio Frequency Power Amplifiers for Massive MIMO Transmitters in Future Telecommunication Systems
Grant: 5 000 €

Tran Quang Nguyen
Aalto University School of Science
Topic: Novel sampling strategy for graph signal recovery: A reinforcement learning approach
Grant: 5 000 €

Tzarouchis Dimitrios
Aalto University School of Electrical Engineering
Topic: Morphological effects of resonant nanoantennas
Grant: 5 000 €

Upadhya Karthik
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Topic: Channel Estimation and Hybrid Beamforming for Fifth Generation Mobile Communication Systems
Grant: 5 000€

Viljanen Markus
University of Turku

Topic: Data Analytics: Novel Methods for Digital Customer Data
Grant: 5 000 €

Virk Usman Tahir
Aalto University School of Electrical Engineering
Topic: Millimeter-wave radio channel simulations and modeling for 5G Wireless Systems and beyond
Grant: 5 000 €

Visuri Aku
University of Oulu
Topic: Designing a Quantified-Self Infrastructure to Increase Well-being and Motivate Behavioural Change
Grant: 5 000 €

Vu Kien
University of Oulu
Topic: Joint Resource Allocation and Interference Mitigation in 5G Heterogeneous Networks, monograph
Grant: 5 000 €

Vuong Tung
University of Helsinki
Topic: User task detection and entity-centric pro-active information retrieval via screen monitoring
Grant: 5 000 €

Yaman Sezin Gizem
University of Helsinki
Topic: User Involvement in Continuous Experimentation
Grant: 5 000 €

Zhang Di
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Topic: Game theoretic approaches for energy-efficient resource sharing in Software-defined Wireless Network
Grant: 5 000 €

2016

Ahmad Ijaz
University of Oulu, Finland
Topic: Scalable and Secure Control Plane Architecture for Software Defined Mobile Networks
Grant: 5 000 €

Autere Anton
Aalto University, Finland
Topic: Novel nonlinear optical nanomaterials for optical telecommunications
Grant: 5 000 €

Bani Jamali Seyed Ahmad
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Topic: Software Deployment From an Open Automotive Cloud-based Ecosystem
Grant: 5 000 €

Bica Marian
Aalto University, Finland
Topic: Agile Multicarrier Radars and Coexistence with Wireless Communication Systems
Grant: 5 000 €

Dong Jiang
Aalto University, Finland
Topic: Utilizing Mobile Crowdsensing in Ubiquitous Cloud Environment
Grant: 5 000 €

Fylakis Angelos
University of Oulu, Finland
Topic: Data Hiding in Biomedical Signals and Images
Grant: 5 000 €

Gonzalez-Hautamäki Rosa
University of Eastern Finland
Topic: Intentional voice modification. A perceptual, acoustic and automatic evaluation of speaker recognition systems.
Grant: 5 000 €

Haghbayan Mohammadhashem
University of Turku, Finland
Topic: Heterogeneous computing in the dark silicon era
Grant: 5 000 €

He Jiguang
University of Oulu, Finland
Topic: Lossy Decode-and-Forward over Time-Varying Wireless Sensor Networks
Grant: 5 000 €

Heino Mikko
Aalto University, Finland
Topic: Isolation improvement and high frequency antenna design for future mobile communication systems
Grant: 5 000 €

Hosseinzadeh Shohreh
University of Turku, Finland
Topic: Software Security through Diversification, Obfuscation and Trusted Computing Techniques
Grant: 5 000 €

Islam Md. Mazidul
Aalto University, Finland
Topic: Passive sensor RFIDs and beam steerable antenna for future communication
Grant: 5 000 €

Ivannikova Elena
University of Jyväskylä, Finland
Topic: Intelligent Solutions for Information Security
Grant: 5 000 €

Jafari Tadi Mojtaba
University of Turku, Finland
Topic: Automated Detection of Atrial Fibrillation via Joint Accelerometer and Gyroscope Sensors in Smart Embedded Devices
Grant: 5 000 €

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Topic: Boosting Finnish language technology with big data, deep neural networks and multilingual learning
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Topic: Some structures of finite Morley rank associated with the Hrushovski Programme
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Topic: Energy-efficiency in Big-data processing and large scale distributed systems
Grant: 5 000 €

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Topic: RFID Based Telemetry System for Biomedical Applications
Grant: 5 000 €

Koskela Matias
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Topic: Foveated Ray Tracing for Virtual Reality Applications
Grant: 5 000 €

Kosulnikov Sergei
Aalto University, Finland
Topic: Enhancement of the radiation using wire medium based metamaterials
Grant: 5 000 €

Li Yongzhe
Aalto University, Finland
Topic: Transmit waveforms/codes and receive filter design with applications to radar and 5G communication
Grant: 5 000 €

Lintusaari Jarno
Aalto University, Finland
Topic: Computational inference for statistical network models
Grant: 5 000 €

Liu Chen-Feng
University of Oulu, Finland
Topic: Heterogeneous Resource Allocation for Hierarchical Software-Defined Radio Access Networks
at the Network Edge
Grant: 5 000 €

Majd Amin
University of Turku, Finland
Topic: Runtime Optimization Approaches for Smart Access Points Placement using Fog Computing
Grant: 5 000 €

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Topic: Cooperative Localization and Mapping in Wireless Networks
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Aalto University, Finland
Topic: Millimeter-wave CMOS radio front-end circuits for 5G mobile communications and earth
remote sensing applications
Grant: 5 000 €

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University of Helsinki, Finland
Topic: Iterative Data Analysis for Sensing Applications
Grant: 5 000 €

Petrov Vitaly
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Topic: The Last Meter Terabit-per-Second Wireless Access
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University of Turku, Finland
Topic: Scalable and Lightweight Security Solutions for Internet of Things-based Healthcare
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Aalto University, Finland
Topic: Conformal and Multiband Antennas for Future Mobile Handsets and Wireless Sensors
Grant: 5 000 €

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Tampere University of Technology, Finland
Topic: Design and Development of Efficient and Conformal Printed Antennas for Wireless Sensing
and Wearable Applications
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Åbo Akademi University, Finland
Topic: Modern High performance Computing codes: a fluid dynamics solver using current hardware

and programming techniques
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Aalto University, Finland
Topic: Analysis of interaction networks
Grant: 5 000 €

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Topic: Enabling technologies for ultra-reliable with low-latency communications
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Topic: Resource optimization and user association with network virtualization in dynamic network
architecture through beamforming technique
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Topic: Methods and tools for utilizing user-interaction data in software development
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Topic: Energy-Efficient Beamforming Techniques in Future Cellular Network
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Topic: Longitudinal Human and Digital Sensing Using Mobile Devices
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Topic: Automated formal verification of actor-based software for embedded systems
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Topic: Metamaterials for energy harvesting and wireless power transfer
Grant: 5 000 €

2015

Altoè Alessandro
Aalto University School of Electrical Engineering

Topic: Functional models of the auditory pathway
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Antikainen Markku
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Topic: Design and Analysis of Security Protocols
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Topic: Electromagnetic properties and applications of extreme bi-anisotropic materials and layers
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Topic: Semi-supervised Deep Learning
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Topic: Computational Design of Text Entry Systems
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Topic: Gaining situational awareness in indoor environments using narrowband radio signal measurements
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Grant: 5 000 €

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Topic: Extracting watermarks with a camera phone or a digital camera from printed images and holograms
Host: University of Oulu
Grant: 5000 €

Pulakka Hannu Juhani
Topic: Digital signal processing methods for the improvement of speech quality and intelligibility in mobile communication systems
Host: Helsinki University of Technology
Grant: 5000 €

Rantala Ville Tarmo Taneli
Topic: Intelligent Communication Platform for Future 3D Integrated Chips
Host: University of Turku
Grant: 5000 €

Rapinoja Tapio Ilmari
Topic: An integrated multi-standard frequency synthesizer for cognitive radio applications
Host: Helsinki University of Technology
Grant: 5000 €

Rautio Timo Jaakko
Topic: Linearization and characterization of supply modulated RF-transmitters
Host: University of Oulu
Grant: 5000 €

Ruusuvuori Pekka Samuli
Topic: New Methods for Automated Image Analysis in Microscale Applications
Host: Tampere University of Technology
Grant: 5000 €

Saleemi Muhammad Mohsin
Topic: System Software and Architectural Aspects of Interactive Mobile TV
Host: Åbo Akademi University
Grant: 5000 €

Schumacher André
Topic: Distributed Optimization Techniques for Multihop Wireless Networks
Host: Helsinki University of Technology
Grant: 5000 €

Siltanen Samuel Allan
Topic: Real-Time Algorithms for Room Acoustics
Host: Helsinki University of Technology
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Sjöberg Mats Viktor
Topic: Content- and semantic-based retrieval of multimedia using Self-Organizing Maps
Host: Helsinki University of Technology
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Smura Timo Santeri
Topic: Techno-economic analysis of alternative mobile broadband access networks
Host: Helsinki University of Technology
Grant: 5000 €

Sorjamaa Antti Petteri
Topic: Time Series Prediction and Missing Values in Spatio-Temporal Databases
Host: Helsinki University of Technology
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Suomela Jukka Olavi
Topic: Algorithms for wireless sensor networks
Host: University of Helsinki
Grant: 5000 €

Tamminen Aleksi Arimo
Topic: Millimeter-wave indirect holographic imaging for security applications
Host: Helsinki University of Technology
Grant: 5000 €

Tikka Tero Heikki Tapani
Topic: Integration of radio-frequency circuits for wideband high data-rate radio systems
Host: Helsinki University of Technology
Grant: 5000 €

Tirronen Tuomas Juhani
Topic: Development and analysis of data transfer methods using fountain and erasure coding.
Host: Helsinki University of Technology
Grant: 5000 €

Vartiainen Elina Anneli
Topic: Designing user interfaces for mobile Internet-enabled devices
Host: Helsinki University of Technology
Grant: 5000 €

Voltti Markus Johannes
Topic: Digital compensation of device mismatch in analog circuit blocks

Host: University of Turku
Grant: 5000 €

Voutilainen Juha-Veikko
Topic: Proactive diagnostics of electronics with embedded precursor behaviour monitoring
Host: University of Oulu
Grant: 5000 €

Ylioinas Jari Vilho
Topic: Iterative joint detection, decoding, and channel estimation in MIMO-OFDM
Host: University of Oulu
Grant: 5000 €

Zhang Cixun
Topic: Advanced video compression techniques for next generation video coding standard
Host: Tampere University of Technology
Grant: 5000 €

Zhao Qinpei
Topic: Cluster analysis and its applications on image and speech processing
Host: University of Joensuu
Grant: 5000 €

2007

Aaltonen Lasse Juhani
Topic: Mikromekaanisten inertiaalianturien integroitu lukuelektroniikka
Grant: 5000 €

Ahonen Timo Juhani
Topic: Tekstuurimenetelmien kehitys ja soveltaminen luonnollisten kuvien analysointiin
Grant: 5000 €

Aho Kari Juhani
Topic: Performance enhancements on WCDMA and HSPA networks
Grant: 5000 €

Ali-Löytty Simo Sakari
Topic: Luotettavien aikasarja-algoritmien kehittäminen henkilökohtaiseen paikannukseen
Grant: 5000 €

Alitalo Pekka Heikki Antero
Topic: Sub-wavelength sensing based on metamaterials and resonating structures
Grant: 5000 €

Arpinen Tero Antti Mikael
Topic: Järjestelmätason mallinnusmenetelmät ja automaatio sulautetun elektroniikan suunnittelussa
Grant: 5000 €

Bennis Mehdi
Topic: Novel Approaches to Improve Radio Networks Efficiency
Grant: 5000 €

Boutellier Jani Joosefi
Topic: New Paradigms for Embedded Computing Systems
Grant: 5000 €

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Topic: Localization Algorithms and Cross-Layer Optimization for Location-Aware Wireless Networks
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Geng Suiyan
Topic: Experimental Investigation of Future High Throughput Radios
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Ghaboosi Kaveh
Topic: Cognitive Medium Access Control Protocols for the Next Generation Wireless Network
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Haapalainen Eija Marika
Topic: Time series modeling in intelligent data mining applications - Model and parameter selection and update
Grant: 5000 €

Haapio Topi
Topic: Improving Effort Management in Software Development Projects
Grant: 5000 €

Hakokari Jussi Veijo
Topic: Enhancing Applicability of Speech Technology using Core Speech Approach
Grant: 5000 €

Hannu Jari Johannes
Topic: Elektroniikan sulautettu testaus levy- ja järjestelmätasolla
Grant: 5000 €

Helander Elina Elisabet
Topic: New methods for voice conversion
Grant: 5000 €

Hietakangas Simo, Sakari
Topic: Käyttöjännitemoduloitujen RF-tehovahvistimien fyysisten rakenteiden ja suunnittelumenetelmien kehittäminen.
Grant: 5000 €

Himmanen Heidi Johanna
Topic: Langattomien tiedonsiirtojärjestelmien järjestelmäsuunnittelun uudet metodit (New Approach on Wireless Communication Systems Design: a case study on mobile broadcasting)
Grant: 5000 €

Holopainen Juha
Topic: Älykkyys emergenteissä järjestelmissä

Grant: 5000 €

Härmä Sanna Katariina
Topic: Akustisiin pinta-aaltoihin perustuvan RFID-tunnisteen suunnittelu
Grant: 5000 €

Ihalainen Tero Johannes
Topic: Spectrally and Power Efficient Waveforms for Future Cellular Systems
Grant: 5000 €

Jokela Tero Tapio
Topic: Väitöskirja: "Virheenkorjauksen suunnittelu ja tehokkuuden arvioiminen sekä parantaminen erilaisissa tiedonsiirto- ja piiritason sovelluksissa"
Grant: 5000 €

Jokisuu Elina Inkeri
Topic: Sosiaalinen media ikäihmisten yhteisöllisyyden edistäjänä
Grant: 5000 €

Juva Aarne Anton Ilmari
Topic: Liikennematriisin estimointi
Grant: 5000 €

Järvisalo Matti Juhani
Topic: Rakenteisten kombinatoristen ongelmien ratkaisumenetelmät
Grant: 5000 €

Kaija Kimmo Kalevi
Topic: Mikroelektroniikan pakkaustekniikan laskennallinen mallintaminen
Grant: 5000 €

Kaltiokallio Mikko Henrik
Topic: Lisensoimattomat integroidut radiotaajuusetupääpiirit
Grant: 5000 €

Kannala Juho Tapani
Topic: Geometriset menetelmät tietokonenäössä
Grant: 5000 €

Kassinen Otso Atte
Topic: Novel Solutions for Session Management in Hybrid Peer-to-Peer Systems (väitöskirjan alustava otsikko)
Grant: 5000 €

Kiuru Tero Tapani
Topic: Millimetriaaltoalueen komponenttien tutkimus ja mallinnus
Grant: 5000 €

Kivistö Samuli
Topic: Uudenlaisiin optisiin kuitumateriaaleihin perustuvat laserlähettimet ja vahvistimet
Grant: 5000 €

Kokkonen Kimmo Niklas Olavi
Topic: Phase sensitive measurements of surface vibrations using scanning heterodyne laser interferometry
Grant: 5000 €

Kokko Kati Hannele
Topic: Elektroniikan miniatyrisointi lääketieteellisissä sovelluksissa
Grant: 5000 €

Kolmonen Veli-Matti
Topic: Semi-automatic radio channel parameter extraction
Grant: 5000 €

Komulainen Mikko Sakari
Topic: Säätötekniikat tulevaisuuden tietoliikenneantenneissa
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Koponen Teemu Matti Johannes
Topic: Data-Oriented (and Beyond) Network Architecture
Grant: 5000 €

Kotilainen Niko
Topic: Mobiililaitteiden liikkuvuuden hyödyntäminen reitityksessä
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Kujala Jussi Antero
Topic: Efficient learning and limits in online problems with focus on binary search trees
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Topic: Ohjelmoinnin perusteiden oppimisen ongelmat ja niiden helpottaminen visualisointien avulla
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Topic: Analysis, Perception, and Synthesis of Piano Tones
Grant: 5000 €

Lehtonen Teijo Tapani
Topic: Tulevaisuuden nanoskaalaisten sirujen suunnittelu vikasietoisiksi
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Topic: Stokastisia menetelmiä tietoverkkojen suorituskykyanalyysiin
Grant: 5000 €

Lindqvist Janne Kari Olavi
Topic: Privacy Protection Mechanisms for Networked Society
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Li Jin
Topic: Hybrid audio/video coding for audiovisual synchronization in multimedia systems
Grant: 5000 €

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Topic: Spectrum sensing for cognitive radio and radar
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Lundkvist Torbjörn
Topic: Definition of Visual Language Editors Using Declarative Languages
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Luukkonen Olli
Topic: Keinotekoisten impedanssipintojen mallintaminen ja niiden sovellukset millimetriaaltoalueella
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Magi Carlo Oreste
Topic: Uudet matemaattiset mallit puheen spektraaliseen mallintamiseen
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Malamal Vadakital Vinod Kumar
Topic: ADVANCED VIDEO SIGNAL PROCESSING FOR MOBILE TELEVISON OVER DVB CHANNELS
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Marghescu Dorina
Topic: Evaluation of visual data mining techniques
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Topic: Yritysten mobiilipalvelujen hyödyllisyyden arviointi
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Topic: IMT-Advanced-järjestelmien taajuustarpeet
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Topic: Erittäin nopea ja vähän tehoa kuluttava analoginen Viterbi-dekooderi
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Mustonen Maria Tuulikki
Topic: Monielementtiset antennitekniikat tulevaisuuden radiojärjestelmiin
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Topic: Testing optimization in high technology production
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Nigussie Ethiopia Enideg
Topic: Design and Analysis of High-Performance and Robust On-Chip Interconnects for Nano-Scale System-on-Chip
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Topic: Optisia CMOS-vastaanotinkanavia lasertutkan integroituun vastaanottimeen
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Topic: System level optimization in wireless communications
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Ojansivu Ville Pertti Johannes
Topic: Sumentumiselle invariantti hahmontunnistus käyttäen Fourier muunnokseen perustuvia piirteitä
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Topic: Epäassosiatiivisen algebran soveltaminen tiedon salaukseen
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Plaska Marta
Topic: Measurement of the impact of formal methods in software development process
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Topic: Langattomien tietoliikennejärjestelmien hierarkiset kanavamallit
Grant: 5000 €

Pulakka Hannu Juhani
Topic: Matkapuhelinpuheen laadun ja ymmärrettävyyden parantaminen signaalinkäsittelyn avulla
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Topic: Adaptiivista antenniryhmää hyödyntävät häiriönvaimennus- ja koodisynkronointimenetelmät
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Topic: Edistykselliset välitinkonseptit tulevaisuuden langattomissa viestinjärjestelmissä
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Ruokonen Anna Kristiina
Topic: Model-Driven Development of Web Services Systems
Grant: 5000 €

Salmi Jussi Samuel
Topic: MIMO radiokanavamallin parametrien estimointi tila-avaruus menetelmin
Grant: 5000 €

Seuranen Esa Antero
Topic: Koodien konstruoiminen stokastisilla optimointimenetelmillä
Grant: 5000 €

Sievilä Päivi
Topic: Nanorakenteiden optiset ominaisuudet
Grant: 5000 €

Sjöberg Mats Viktor
Topic: Content- and semantic-based retrieval of multimedia using Self-Organizing Maps
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Skoyrnetoy Danai
Topic: Robust Methods for Tracking Low CNR GNSS Signals
Grant: 5000 €

Vanhatupa Timo Juhani
Topic: Langattomien paikallisten tiedonsiirtoverkkojen hallinta
Grant: 5000 €

Varonen Mikko Juhani
Topic: Millimetriaaltoalueen radiojärjestelmien piirien integrointi
Grant: 5000 €

Vartiainen Elina Anneli
Topic: User interface design and implementation for mobile Internet-enabled devices
Grant: 5000 €

Verkasalo Hannu
Topic: Handset-Based Mobile Service Research
Grant: 5000 €

Vesa Sampo Ville
Topic: Auditory Environment Analysis - Applications and Methods

Grant: 5000 €

Virtanen Kati Pauliina
Topic: Erittäin vähän tehoa kuluttava videonpakkauslaitteisto kannettaville laitteille
Grant: 5000 €

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Topic: Rakenteiden ohjaamaton oppiminen luonnollisesta aineistosta ja soveltaminen
konekääntämiseen
Grant: 5000 €

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

Transceivers
Grant: 5000 €

2006

Aaltonen Lasse Juhani
Topic: Suuriresoluutioisen mikromekaanisen kiihtyvyysanturin integroitu lukuelektroniikka
Grant: 5000 €

Abrudan Traian Emanuel
Topic: Advanced receivers for multicarrier systems in wireless communications
Grant: 5000 €

Alanen Marcus Sakari
Topic: Ohjelmistomallintamisen perusteet ja käytäntö Object Management Groupin standardeilla
Grant: 5000 €

Alanen Olli Petteri
Topic: IPTV-palveluiden laadun hallinta ja tarkkailu tulevaisuuden tietoverkoissa
Grant: 5000 €

Alitalo Pekka Heikki Antero
Topic: Sub-wavelength sensing based on metamaterials and resonating structures
Grant: 5000 €

Belloni Fabio
Topic: Small Antenna Arrays for Multiantenna Communications
Grant: 5000 €

Bennis Mehdi
Topic: Novel Approaches to Improve Radio Networks Efficiency
Grant: 5000 €

Brunelli Claudio
Topic: AVEC
Grant: 5000 €

Del Rosso Christian
Topic: Continuous Evolution Through Software Architecture Evaluation
Grant: 5000 €

Destino Giuseppe
Topic: Real-time multimedia traffic delivery and management
Grant: 5000 €

Frisk Laura Katriina
Topic: Johtavalla liimalla liitettyjen flip chip -komponenttien pitkäaikaisluotettavuus orgaanisilla

liitosalustoilla
Grant: 5000 €

Ghaboosi Kaveh
Topic: Medium Access Control in Cognitive Radio and Spectrum Agile Wireless Networks
Grant: 5000 €

Goratti Leonardo
Topic: Medium Access Control Protocol design for UWB based networks: high and low rates
Grant: 5000 €

Gregorio Fernando Hugo
Topic: Power Amplifier Nonlinearities in Multiantenna Systems
Grant: 5000 €

Haapola Jussi-Pekka
Topic: Medium Access Control Protocols for Wireless Sensor Networks (Langattomien sensoriverkkojen linkkiohjausprotokollat)
Grant: 5000 €

Hankaniemi Mikko Matias
Topic: Teholähteiden karakterisointi
Grant: 5000 €

Hannu Jari Johannes
Topic: Elektroniikan sulautettu testaus levy- ja järjestelmätasolla
Grant: 5000 €

Heikkilä Marko Tapio
Topic: UUSIA TEKSTUURIPOHJAISIA MENETELMIÄ KONENÄKÖÖN
Grant: 5000 €

Hietakangas Simo Sakari
Topic: Käyttöjännitemoduloitujen RF-tehovahvistimien fyysisten rakenteiden ja suunnittelumenetelmien kehittäminen
Grant: 3000 €

Himmanen Heidi Johanna
Topic: Efficient development of mobile standards: a case study on DVB-H
Grant: 5000 €

Hirsimäki Teemu Elias
Topic: Menetelmiä automaattisen puheentunnistuksen tehostamiseen
Grant: 5000 €

Holopainen Jari Petteri
Topic: Monisysteemiradioiden antennit
Grant: 5000 €

Härmä Sanna
Topic: Akustisiin pinta-aaltoihin perustuvan RFID-tunnisteen rakenteen optimointi
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Ihalainen Tero Johannes
Topic: Spectrally and Power Efficient Waveforms for Future Cellular Systems
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Ikonen Pekka Martti Tapio
Topic: Artificial composite structures in selected microwave applications
Grant: 5000 €

Jiang Juanjuan
Topic: Technics and tool-supports for improving Web Services interoperability
Grant: 5000 €

Jylhä Juha Matias
Topic: Outlier analysis in statistically varying signal
Grant: 5000 €

Järvinen Kimmo Uolevi
Topic: Salausalgoritmien laitteistokiihdytys
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Kaija Kimmo Kalevi
Topic: Väitöskirjatyö: Mikroelektroniikan pakkaustekniikan laskennallinen mallintaminen
Grant: 5000 €

Kokkonen Kimmo Niklas Olavi
Topic: Phase sensitive measurements of surface vibrations using scanning heterodyne laser interferometry
Grant: 5000 €

Kolmonen Veli-Matti
Topic: Semi-automatic radio channel parameter extraction
Grant: 5000 €

Komulainen Mikko Sakari
Topic: Säätötekniikat tulevaisuuden tietoliikenneantenneissa
Grant: 5000 €

Kujala Jussi Antero
Topic: Advancements in the efficient use of past information in data structures, discretization, and online learning
Grant: 5000 €

Kulmala Ari Tapani
Topic: Joustava ja skaalautuva arkkitehtuuri digitaalisille järjestelmille
Grant: 5000 €

Kurhinen Jani Kristian
Topic: Informaation välittyminen infrastruktuurittomassa mobiiliympäristössä
Grant: 5000 €

Lahdenoja Olli Antero
Topic: Kasvontunnistus käyttäen massiivisia rinnakkaisia prosessoriarkkitehtuurej
Grant: 5000 €

Lahtinen Essi Maaria
Topic: Ohjelmoinnin perusteiden oppimisongelmat ja opiskelijoiden tukeminen visualisointien avulla
Grant: 5000 €

Lahtinen Samuel Pellervo
Topic: (Meta)mallipohjaiset äänikielet
Grant: 5000 €

Leino Juha Mikael
Topic: Stokastisia menetelmiä tietoverkkojen suorituskykyanalyysiin
Grant: 5000 €

Lundén Jarmo Rafael
Topic: Spectrum sensing in cognitive radio and radar
Grant: 5000 €

Löytynoja Mikko Johannes
Topic: DRM- ja digitaaliset vesileimaustekniikat mobiililaitteissa
Grant: 5000 €

Mansikkamäki Satu Pauliina
Topic: Technology Development Process for New Manufacturing Technologies -Case Studies
Grant: 5000 €

Maunu Janne
Topic: Erittäin nopea ja vähän tehoa kuluttava analoginen Viterbi-dekooderi
Grant: 5000 €

Mustonen Tero Johan
Topic: Nanoelectronics with functionalized carbon nanotube architectures
Grant: 5000 €

Mäkilä Tuomas Sulo Toivo
Topic: Software Development Process Modeling
Grant: 5000 €

Neovius Mats Ivar Olof
Topic: Formal Reasoning about Distributed Systems
Grant: 5000 €

Nissinen Ilkka Kristian
Topic: Integroituun monivaiheiseen CMOS-rengasoskillaattoriin perustuvia aika-digitaali -muunninratkaisuja laseretäisyysmittalaitteen integroituun vastaanottimeen
Grant: 5000 €

Nybom Kristian Gustav
Topic: Application Layer Multidimensional Forward Error Correcting Codes in Wireless Networks
Grant: 5000 €

Pahikkala Aarne Tapio
Topic: Koneoppimismenetelmät kieliteknologian apuna
Grant: 5000 €

Perttunen Mikko Johannes
Topic: Knowledge representation in context-aware systems
Grant: 5000 €

Pikkarainen Minna Annika
Topic: Agile software methodology deployment in organizations
Grant: 5000 €

Pänkäälä Mikko Tapani
Topic: Ultra Low-Power Video Compression System for Mobile Devices
Grant: 5000 €

Qu Yang
Topic: Using parallel configuration models and optimized prefetch scheduling techniques to reduce the run-time reconfiguration overhead (PARACOM)
Grant: 5000 €

Rabbachin Alberto
Topic: Low complexity and low data rate receivers for UWB systems with location and tracking capabilities.
Grant: 5000 €

Raisamo Jukka Martti Kalevi
Topic: Interaction Methods in Haptic Environments
Grant: 4000 €

Rajala Risto Veli Matti
Topic: BUSINESS MODEL TRANSFORMATION IN SOFTWARE FIRMS
Grant: 5000 €

Ranto Sanna Maarit
Topic: Identifioivat koodit Hammingin avaruudessa
Grant: 5000 €

Rauhala Jukka Vesa Tapani
Topic: Parametric piano synthesis
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Rautio Timo Jaakko
Topic: Käyttöjännitemoduloitujen RF-tehovahvistimien linearisointi
Grant: 3000 €

Rezaei Mehdi
Topic: Advanced Video Signal Processing Methods for Mobile Applications
Grant: 5000 €

Riihonen Pekka Taneli Matias
Topic: Edistykselliset välitinkonseptit tulevaisuuden langattomissa viestinjärjestelmissä
Grant: 5000 €

Ruokonen Anna Kristiina
Topic: Model-Driven Development of Web Services Systems
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Saari Ville Olavi
Topic: Analogisten kantataajuusosien toteutus laajakaistaisten radiojärjestelmien integroituihin vastaanottimiin
Grant: 5000 €

Saarni Tuomo Iivari
Topic: Sääntöpohjaisen puhesynteesin kehittäminen
Grant: 5000 €

Seuranen Esa Antero
Topic: Koodien konstruoiminen stokastisilla optimointimenetelmillä
Grant: 5000 €

Sievilä Päivi
Topic: Metallisten nanorakenteiden sähköiset ja optiset ominaisuudet
Grant: 5000 €

Similä Timo Erkki Edvard
Topic: Advances in input selection and visualization methods for multivariate data analysis
Grant: 5000 €

Tuuna Sampo Tapio
Topic: Kohinan mallinnus ja vähentäminen järjestelmäpiirien kommunikaatiossa
Grant: 5000 €

Vanhatupa Timo Juhani
Topic: Langattomien paikallisten tiedonsiirtoverkkojen hallinta
Grant: 5000 €

Vartiainen (Tuula) Johanna
Topic: Langattoman tietoliikenteen häiriönvaimennusta käsittelevä väitöskirjatyö
Grant: 5000 €

Verkasalo Hannu Tapani
Topic: A Handset-Based Measurement Platform in Mobile Service and Application Research
Grant: 5000 €

Vihonen Juho Ville
Topic: Muutoksen ilmaisu vaativissa 2D signaaliolosuhteissa
Grant: 5000 €

Viikari Ville Valtteri
Topic: Hologrammiin perustuva antennimittauspaikka
Grant: 5000 €

Villanen Juha Tapio
Topic: Antennas for Mobile Communication Terminals
Grant: 5000 €

Virtanen Kati Pauliina
Topic: Erittäin vähän tehoa kuluttava videonpakkauslaitteisto kannettaville laitteille
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Väyrynen Jaakko Johannes
Topic: Konekääntäminen ja kielellisten rakenteiden oppiminen ohjaamattomasti
Grant: 5000 €

Westerlund Tomi Vesa Juhani
Topic: AIKA
Grant: 5000 €

Zou Yaning
Topic: Advanced DSP Techniques for Mitigation of Analog Front-End Impairments in Future Wireless Transceivers
Grant: 5000 €

2005

Aikio Janne Petteri
 Topic: RF-tehovahvistimen särön muistin analysointi ja minimointi
 Grant: 5000 €

Alanen Marcus
 Topic: Ohjelmistomallintamisen perusteet ja käytäntö
 Grant: 5000 €

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 Topic: Luotettavien aikasarja-algoritmien kehittäminen henkilökohtaiseen paikannukseen
 Grant: 5000 €

Anttila Lauri Aleksi
 Topic: Kehittyneitä signaalinkäsittelyalgoritmeja vastaanottimen alkupään epäideaalisuuksien kompensointiin
 Grant: 5000 €

Belloni Fabio
 Topic: Small Antenna Arrays for Multiantenna Communications
 Grant: 5000 €

Codreanu Ionel Marian
 Topic: Multidimensional Adaptive Radio Link for Broadband Communication Systems
 Grant: 5000 €

Geng Suiyan
 Topic: Measurements and modeling of 60 GHz and UWB radio propagation channels for short-range wireless communications
 Grant: 5000 €

Ginter Filip
 Topic: Natural language processing of scientific publications
 Grant: 5000 €

Gregorio Fernando Hugo
 Topic: Amplifier Nonlinearities in Multi-Antenna Mobile Communication Systems
 Grant: 5000 €

Haapola Jussi-Pekka
 Topic: Medium Access Control Protocols for Wireless Sensor Networks (Langattomien
sensoriverkkojen linkki-ohjausprotokollat)
 Grant: 5000 €

Hankaniemi Mikko Matias
 Topic: Teholähteiden karakterisointi ja nopeiden identifiointimenetelmien kehittäminen
 Grant: 5000 €

Hannuksela Jari
 Topic: Visuaalisia seurantatekniikoita kamerapohjaisiin käyttöliittymiin
 Grant: 5000 €

Harkke Ville
 Topic: Knowledge Freedoms for Medical Professionals
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Hollanti Camilla Johanna
 Topic: Applications of Crossed Product Algebras in MIMO Space-Time Coding
 Grant: 5000 €

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 Topic: Väitöskirja: Towards Usable Context-Aware Mobile Handheld Applications
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 Grant: 5000 €

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 Topic: Puolijohteelle integroidut passiivikomponentit
 Grant: 5000 €

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 Topic: Radiotaajuuspiirien suunnittelu erittäin laajakaistaiseen järjestelmään
 Grant: 5000 €

Kayo (Née Kouropteva) Olga
 Topic: Ph.D. thesis titled: Locally Linear Embedding - Extensions and Applications
 Grant: 5000 €

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Topic: Huoneakustiikan mallintaminen aaltojohtoverkkoa käyttäen
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Topic: Palvelun laadun tukeminen langattomissa verkoissa
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Topic: Energy aware design for embedded systems
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Loikkanen Mikko Topi
Topic: Compensation and Design of Power Efficient Class AB Amplifiers and LDO regulators
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Melvasalo Maarit Inka Susanna
Topic: Multiantenna receivers (MIMO) in High Speed Downlink Packet Access (HSDPA) Systems
Grant: 5000 €

Myllylä Juha Markus
Topic: Rapid prototyping of 4th generation wireless systems and algorithms
Grant: 5000 €

Mäntysalo Matti Juhani
Topic: Mikroelektoniikan 3D-rakenteiden sähkömagneettinen mallintaminen
Grant: 5000 €

Niemelä Jarno Petteri
Topic: Optimaalinen radioverkon topologia WCDMA-pohjaisiin matkaviestinjärjestelmiin
Grant: 5000 €

Nieminen (O.S. Antila) Johanna Maria
Topic: Adaptiiviset vuoronjako-algoritmit ja pääsynvalvonta
Grant: 5000 €

Pahikkala Aarne Tapio
Topic: Koneoppimismenetelmät kieliteknologian apuna
Grant: 5000 €

Pakarinen Jyri Tapani
Topic: Kielisoittimien mallinnusta ja äänisynteesiä käsittelevä väitöskirjatyö
Grant: 5000 €

Pertilä Pasi Eerikki
Topic: Äänilähteen paikannus
Grant: 5000 €

Perttula Antti Osmo Juhani
 Topic: New Approaches to Improve Verification and Validation in Fast Cycle Electronics Product Development. Case Mobile Terminal
 Grant: 5000 €

Pesonen Lauri Ilja Waltter
 Topic: A Capabilities-Based Access Control Architecture for Multi-Domain Publish/Subscribe Systems
 Grant: 5000 €

Pogossova Ekaterina
 Topic: Spectral Techniques in Logic Design Signal Processing and Mobile Communications
 Grant: 4000 €

Puska Henri Tapani
 Topic: Antenniryhmän käyttö häiriönvaimennuksessa ja koodisynkronoinnin suorituskyvyn parantamisessa
 Grant: 5000 €

Pyysalo Sampo Mikael
 Topic: Structured Information Extraction from Scientific Publications: A Knowledge-Rich Machine Learning Approach
 Grant: 5000 €

Pänkäälä Mikko Tapani
 Topic: Ultra Low-Power Video Compression System for Mobile Devices
 Grant: 5000 €

Rabbachin Alberto
 Topic: Low complexity and low data rate receivers for UWB systems with location and tracking capabilities
 Grant: 5000 €

Rahtu Esa Mikael
 Topic: Invariantit menetelmät hahmontunnistuksessa
 Grant: 5000 €

Raiko Pekka Tapani
 Topic: Advances in Bayesian Inference for Learning Classification Reconstruction and Control in Nonlinear and Structured Settings
 Grant: 5000 €

Ranvier Sylvain
 Topic: Radio Wave Propagation and Antennas for Very Broadband Mobile Communications
 Grant: 5000 €

Rauhala Jukka Vesa Tapan
 Topic: I Parametric piano synthesis
 Grant: 5000 €

Rezaei Mehdi
 Topic: Advanced Video Signal Processing Methods for Mobile Applications

Grant: 5000 €

Ritari Tuomo Matias
Topic: Fotonikidekuitujen sovellukset tietoliikennetekniikassa
Grant: 5000 €

Riva Oriana
Topic: Context-aware services in pervasive computing environments
Grant: 5000 €

Roman Timo Eric
Topic: Advanced Receiver Algorithms for Multicarrier MIMO Communication Systems
Grant: 5000 €

Rusu Matei
Topic: Realization of an ultrafast telecom transmitter based on fiber laser and nonlinear optics
Grant: 5000 €

Saarinen Markku-Juhani Olavi
Topic: Cryptanalysis of Stream Ciphers
Grant: 5000 €

Saastamoinen Alpo Juhani
Topic: Accuracy of MFCC-based speaker recognition
Grant: 5000 €

Salo Jari Pekka
Topic: Statistical Characterization of Fading Radio Channels and Related Functions
Grant: 5000 €

Saukoski Mikko Heikki
Topic: Mikromekaanisen gyroskoopin integroitu luku- ja ohjauselektroniikka
Grant: 5000 €

Siekkinen Matti Mikael
Topic: Root Cause Analysis of TCP Throughput
Grant: 5000 €

Stoica Lucian Vasile
Topic: Ultrawideband Receivers for Low Data Rate Impulse Radio Ultrawideband Systems
Grant: 5000 €

Susitaival Riikka Pauliina
Topic: Väitöskirjatyö: Adaptiiviset kuormantasausmenetelmät Internetissä
Grant: 5000 €

Särestöniemi Mariella Marika Johanna
Topic: SC/MMSE-turbokanavakorjain-tekniikoiden suorituskyvyn ja konvergenssin arviointi mitat-tua
kanavadataa käyttäen
Grant: 5000 €

Taparugssanagorn Attaphongse
Topic: 1. Packet Access Networks with Flexible Spectrum Use (PANU) Project work package 5: wide-

band radio channel models
 Grant: 5000 €

Toth Geza
 Topic: Finite element analysis design and optimization of micro and nano systems - Carbon nanotubes the novel material for electronics cooling
 Grant: 5000 €

Trimeche Mejdi
 Topic: Nonlinear Methods for Super-Resolution Image Reconstruction
 Grant: 5000 €

Turtinen Markus Samuli
 Topic: Paikallisiin binaarikuvioihin perustuva kuvaanalyysi ja tekstuurin karakterisointi
 Grant: 5000 €

Tuuna Sampo Tapio
 Topic: Kohinan mallinnus ja vähentäminen järjestelmäpiirien kommunikaatiossa
 Grant: 5000 €

Ukkonen Anna Leena
 Topic: Passiivisten UHF-taajuuksien RFID-tunnisteantenniratkaisujen kehitys haastaviin kohteisiin ja ympäristöihin
 Grant: 5000 €

Varonen Mikko Juhani
 Topic: Millimetriaaltoalueen radiojärjestelmien piirien integrointi
 Grant: 5000 €

Vartiainen Tuula Johanna
 Topic: Langattoman tietoliikenteen häiriönvaimennusta käsittelevä väitöskirjatyö
 Grant: 5000 €

Vasilyeva Ekaterina
 Topic: Feedback adaption in web-based systems
 Grant: 5000 €

Villanen Juha Tapio
 Topic: Antennas for Mobile Communication Terminals
 Grant: 5000 €

Westerlund Tomi Vesa Juhani
 Topic: Aika
 Grant: 5000 €

Zhong Daidi
 Topic: Compressed Information Processing For Multimedia Retrieval
 Grant: 5000 €

2004

Aaltonen Timo
Topic: OIVA (Oikeellisuuden validointi horisontaaliarkkitehtuurien avulla)
Host: Tampereen teknillinen yliopisto, Tietotekniikan osasto
Grant: 5000 €

Aaltonen Titta Katriina
Topic: Jalometalliohutkalvojen kasvattaminen atomikerroskasvatus-menetelmällä mikroelektroniikan sovelluksiin
Host: Helsingin yliopisto, Epäorgaanisen kemian laboratorio
Grant: 5000 €

Abdenour Hadid
Topic: Learning and recognizing faces from image sequences
Host: Electrical and Information Engineering Department, University of Oulu
Grant: 5000 €

Abrudan Traian Emanuel
Topic: Advanced receivers for multicarrier systems in wireless communications
Host: Helsinki University of Technology, Electrical and Communications Engineering Department
Grant: 5000 €

Aho Eero Tapani
Topic: Konfiguroitava rinnakkaismuisti multimediasovelluksille
Host: Tampereen teknillinen yliopisto, Tietotekniikan osasto
Grant: 5000 €

Ahonen Timo Juhani
Topic: Tekstuurimenetelmien kehitys ja soveltaminen luonnollisten kuvien analysointiin
Host: Oulun yliopisto, sähkö- ja tietotekniikan osasto
Grant: 5000 €

Antila Johanna Maria
Topic: Adaptiiviset vuoronjakoalgoritmit ja pääsynvalvonta
Host: Teknillinen korkeakoulu, sähkö- ja tietoliikennetekniikan osasto
Grant: 5000 €

Arian Peyman
Topic: Optimization techniques for designing computationally efficient linear-phase FIR filters
Host: Tampereen teknillinen yliopisto, Signaalinkäsittelyn laitos
Grant: 5000 €

Arvo Jukka-Pekka
Topic: Efficient Algorithms for Hardware-Acceleated Shadow Mapping
Host: Turun Yliopisto, Informaatioteknologian laitos
Grant: 4000 €

Bilcu Eniko Beatrice
Topic: Neural Networks for Text-to-Phoneme Mapping

Host: Tampere University of Technology, Institute of Signal Processing
Grant: 5000 €

Borkowski Maciej Jan
Topic: Delta Sigma Modulation in Radio Frequency Synthesis
Host: University of Oulu, Department of Electrical and Information Engineering
Grant: 5000 €

Ginter Filip
Topic: Natural language processing of scientific publications
Host: Turku Centre for Computer Science (TUCS)
Grant: 5000 €

Hakkarainen Väinö Juhani
Topic: Nopeat ja tarkat AD-muuntimet telekommunikaatio sovellutuksiin
Host: Teknillinen korkeakoulu, Sähkö- ja Tietoliikennetekniikka

Hammouda Imed
Topic: Managing multi-dimensional software systems: tools and applications.
Host: Institute of Software Systems, Tampere University of Technology
Grant: 5000 €

Han Shengnan
Topic: Understanding User Adoption of Mobile Technology: Focus on Finnish Physicians
Host: Åbo Akademi University, Institue for Advanced Management Systems Research (IAMSR)
Grant: 3500 €

Hannuksela Jari Samuli
Topic: Visuaalisia seurantatekniikoita kamerapohjaisiin käyttöliittymiin
Host: Oulun Yliopisto, Sähkö- ja tietotekniikan osasto
Grant: 5000 €

Hansen Henri Juhani
Topic: Tila- ja tapahtumapohjaiset mallit ja determinismi prosessialgebrallisessa verifioinnissa.
Host: Tampereen Teknillinen Yliopisto, Tietotekniikka
Grant: 5000 €

Harjula Ilkka Simeon
Topic: Channel Estimation and Synchronization in Space-Time Coded OFDM Systems
Host: Oulun Yliopisto, sähkö- ja tietotekniikan osasto
Grant: 5000 €

Heikkinen Jari Mikko
Topic: Siirtoihin liipaisevan, sulautetuissa järjestelmissä käytettävän prosessoriarkkitehtuurin muistin- ja tehonkulutuksen optimointi.
Host: Tampereen teknillinen yliopisto, Tietotekniikan osasto
Grant: 5000 €

Helovuo Juhana Valtteri
Topic: Funktionaalinen toteutustekniikka signaalinkäsittelyalgoritmeille
Host: Tampereen teknillinen yliopisto, Tietotekniikan osasto
Grant: 5000 €

Herrero Carlos
Topic: Data Transmission in Digital Television Networks
Host: Helsinki University of Technology, Computer Science
Grant: 5000 €

Hollanti Camilla Johanna
Topic: Applications of crossed product algebras in MIMO space-time coding
Host: TUCS, Dep. of Mathematics
Grant: 5000 €

Hämäläinen Perttu Juho
Topic: Tietokonenäköön ja -kuuloon perustuvat opetukselliset käyttöliittymät
Host: Teknillinen korkeakoulu, Tietotekniikan osasto
Grant: 5000 €

Härkönen Antti Tuomas
Topic: Surface-normal semiconductor devices for optical clocking
Host: Tampereen teknillinen yliopisto, teknis-luonnontieteellinen osasto
Grant: 5000 €

Kangas Tero Matias
Topic: Digitaalisten järjestelmäpiirien alustapohjaiset suunnittelumenetelmät
Host: Tampereen teknillinen yliopisto, Tietotekniikan osasto
Grant: 5000 €

Kangasvieri Tero Juhani
Topic: RF Performance and Reliability of Highly Integrated Multichip Module Assemblies for Future
Wireless Systems
Host: University of Oulu
Grant: 5000 €

Karpov Evgeny
Topic: Speaker Identification in Mobile Environment
Host: University of Joensuu, department of Computer Science
Grant: 5000 €

Kaski Petteri Samuel
Topic: Kombinatorisia algoritmeja luokitteluun ja optimointiin
Host: Teknillinen korkeakoulu, Tietotekniikan osasto
Grant: 5000 €

Kelloniemi Antti Pekka
Topic: Huoneakustiikan mallintaminen aaltojohtoverkkoa käyttäen
Host: Teknillinen korkeakoulu, Sähkö- ja tietoliikennetekniikan osasto
Grant: 4500 €

Koskinen Tomi Veikko Mikael
Topic: Alimillimetriaaltoalueen hologrammiin perustuva kompakti antennimittauspaikka
Host: Teknillinen korkeakoulu, Sähkö- ja tietoliikennetekniikan osasto
Grant: 5000 €

Kostov Konstantin Stoychev
Topic: Dynamic Modelling and Analysis of Distributed Power Supply Systems
Host: Helsinki University of Technology, Department of Electrical and Communications Engineering
Grant: 4000 €

Kouropteva Olga
Topic: Non-linear Dimensionality Reduction in Visualization and Classification of High-Dimensional Data
Host: University of Oulu, Department of Electrical and Information
Grant: 5000 €

Krendzel Andrey
Topic: Network Planning Aspects for 3G/4G Mobile Systems
Host: Tampere University of Technology, Department of Information Technology
Grant: 4000 €

Krogerus Joonas Veli-Allan
Topic: Matkaviestinlaitteiden antennien suorituskyvyn mittausmenetelmien kehittäminen
Host: Teknillinen Korkeakoulu, Sähkö-ja Tietoliikennetekniikan Osasto
Grant: 5000 €

Lehtimäki Pasi Tapio
Topic: Data-analysis methods for Mobile Network Quality Monitoring, Fault Diagnosis and Performance Optimization
Host: Teknillinen Korkeakoulu, Tietotekniikan osasto
Grant: 5000 €

Makkonen Matti Tapani
Topic: Akustiset pinta-aaltosuodattimet langattoman lähiverkon (5 GHz) taajuuksille
Host: Teknillinen korkeakoulu, Teknillisen fysiikan ja matematiikan osasto
Grant: 5000 €

Matinlassi Mari Taina Elin
Topic: Laatuohjattu arkkitehtuurimallin transformaatio
Host: Oulun yliopisto, luonnontieteellinen tiedekunta, tietojenkäsittelyopin laitos
Grant: 4000 €

Melvasalo Maarit Inka Susanna
Topic: Multiantenna receivers (MIMO) in High Speed Downlink Packet Access (HSDPA) Systems
Host: Teknillinen Korkeakoulu, Sähkö- ja tietoliikenne tekniikka
Grant: 5000 €

Miao Honglei
Topic: Space-time processing from centralized MIMO sytem to distributed wireless networks: Channel estimation and signal design
Host: Department of Electrical Engineering, University of Oulu
Grant: 5000 €

Moltchanov Dmitri
Topic: Packet level performance evaluation of 4G All-IP mobile networks
Host: Tampere University of Technology, Institute of Communications Engineering
Grant: 5000 €

Mäkinen Jari Mikael
Topic: Source adaptation and audio extensions for AMR codec family
Host: Tampereen teknillinen yliopisto, Signaalinkäsittelynlaitos
Grant: 5000 €

Mäntysalo Matti Juhani
Topic: Mikroelektroniikan 3D-rakenteiden sähkömagneettinen mallintaminen
Host: Tampereen teknillinen yliopisto, Sähkötekniikan osasto
Grant: 5000 €

Nurmi Sami Tapani
Topic: The Reliability of SnAgCu Solder Joints Under Thermo-mechanical Stresses
Host: Tampereen teknillinen yliopisto, Sähkötekniikan osasto
Grant: 5000 €

Nurmi Tero Juhani
Topic: Architecture/Technology Exploration of System-on-Chip Modules towards Nanotechnologies
Host: Turun Yliopisto, Informaatioteknologian laitos
Grant: 5000 €

Oikarinen Emilia Kristiina
Topic: Modulaarinen deklaratiivinen sääntöpohjainen rajoiteohjelmointi
Host: Teknillinen korkeakoulu, Tietotekniikan osasto
Grant: 5000 €

Paavola Jarkko Ilari
Topic: Signal Design for High-Capacity CDMA Networks
Host: Turun Yliopisto, Informaatioteknologian laitos
Grant: 5000 €

Peltomäki Mia Marjukka
Topic: Loogisen päättelyn formaalit menetelmät matematiikan ja tietotekniikan lukio-opetuksessa
Host: Turun yliopisto, Informaatioteknologian laitos
Grant: 5000 €

Peltonen Jari Petri Olavi
Topic: Customizable Tool Support for Software Development Processes - a Visual Language Based Approach
Host: Tampereen teknillinen yliopisto, tietotekniikan osasto, ohjelmistotekniikka
Grant: 5000 €

Penttilä Katariina Maaria
Topic: RFID lukijan kehittäminen tulevaisuuden automatisoituun tunnistukseen
Host: Tampereen teknillinen yliopisto, Sähkötekniikan osasto
Grant: 5000 €

Pertilä Pasi Eerikki
Topic: Äänilähteen paikannus
Host: Tampereen teknillinen yliopisto, Tietotekniikan osasto
Grant: 5000 €

Piatnitsa Vadim
Topic: Investigation and design of miniaturized passive components for Wireless Communication System application based on the novel multilayer technology.
Host: Electrotechnical University of St.Petersburg, Microelectronics Laboratory, Department of Engineering
Grant: 5000 €

Pirinen Tuomo Väinö Vilhelm
Topic: Aikaeroon perustuva tulosuunnan arviointi
Host: Tampereen Teknillinen Yliopisto, Tietotekniikan Osasto
Grant: 5000 €

Pogossova Ekaterina
Topic: Spectral techniques: fast algorithms and applications in signal processing, logic design and communications
Host: Tampere University of Technology, Department of Information Technology
Grant: 5000 €

Pohja Mikko Johannes
Topic: Browser Component API
Host: Teknillinen Korkeakoulu, Tietotekniikan osasto
Grant: 5000 €

Poikonen Jonne Kalevi
Topic: Analogisten rakenteiden optimointi suuritehoista rinnakkaisprosessoria varten
Host: Turun yliopisto
Grant: 5000 €

Puttonen Jani Paavo Johannes
Topic: Liikkuvuuden hallinta tulevaisuuden langattomissa verkoissa
Host: Jyväskylän yliopisto, Tietotekniikan laitos
Grant: 5000 €

Pyysalo Sampo Mikael
Topic: Structured Information Extraction from Scientific Publications: A Knowledge-Rich Machine Learning Approach
Host: Turun yliopisto, Informaatioteknologian laitos, tietojenkäsittelytiede
Grant: 5000 €

Rahtu Esa Mikael
Topic: Invariantit menetelmät hahmontunnistuksessa
Host: Oulun yliopisto, Sähkö- ja tietotekniikan osasto
Grant: 5000 €

Ranvier Sylvain
Topic: Radio Wave Propagation and Antennas for Very Broadband Mobile Communications
Host: Helsinki University of Technology, Department of electrical and communications engineering
Grant: 4000 €

Rautiainen Mika Petteri
Topic: Digitaalisen videon sisältöanalyysimenetelmät videonhallintajärjestelmissä

Host: Oulun yliopisto, Sähkö- ja tietotekniikan osasto
Grant: 5000 €

Ribeiro Cassio Barboza
Topic: Stochastic maximum-likelihood MIMO Propagation parameter estimation
Host: Helsinki University of Technology, Signal Processing Laboratory
Grant: 5000 €

Ristimäki Tapio Veli Juhani
Topic: Väistöskirjatutkimus : Uudelleenkonfiguroitavuus järjestelmäpiireissä
Host: Tampereen teknillinen yliopisto / Tietotekniikan osasto
Grant: 5000 €

Shahed hagh ghadam Ali
Topic: Advance digital signal processing (DSP) methods for compensating nonidealities in communications receivers
Host: Tampere University of Technology, Department of Information Technology
Grant: 5000 €

Saukoski Mikko Heikki
Topic: Mikromekaanisen gyroskoopin integroitu luku- ja ohjauselektroniikka
Host: Teknillinen korkeakoulu, Sähkö- ja tietoliikennetekniikan osasto
Grant: 5000 €

Sirola Niilo Torsten
Topic: Algoritmeja satelliitti- ja tukiasemapaikannusdatan yhdistämiseen
Host: Tampereen teknillinen yliopisto
Grant: 5000 €

Sommarek Johan Valfrid Daniel
Topic: Digital Modulators with On-chip D/A converters
Host: Helsinki University of Technology, Department of Electrical and Communications Engineering
Grant: 5000 €

Suliman Isameldin Mohammed
Topic: Performance Studies of Heterogeneous Wireless Networks: with Resource Allocation Issues
Host: University of Oulu, Telecommunication Laboratory
Grant: 5000 €

Tamminen Toni Tapani
Topic: Bayesilaiset menetelmät tietokonenäössä
Host: Teknillinen korkeakoulu, Sähkö- ja tietoliikennetekniikan osasto
Grant: 5000 €

Tiitu Mari Hannele
Topic: Local and overall order in self-organized conducting polymers
Host: Teknillinen korkeakoulu, Teknillisen fysiikan ja matematiikan osasto
Grant: 5000 €

Toivonen Tuukka Olli Artturi
Topic: Muunnospohjainen liikkeenestimointi

Host: Oulun Yliopisto, Sähkö- ja tietotekniikan osasto
Grant: 5000 €

Tölli Antti Heikki
Topic: Radioresurssien hallinta tulevaisuuden langattomissa (4G) matkaviestintäjärjestelmissä
Host: Oulun Yliopisto, Sähkö- ja tietotekniikan osasto
Grant: 5000 €

Vapa Mikko Antero
Topic: Lisensiaattityön kirjoittaminen aiheena "NeuroSearch: Adaptive Resource Discovery Algorithm for Peer-to-Peer Networks"
Host: Jyväskylän yliopisto, Tietotekniikan laitos
Grant: 5000 €

Vesalainen Laura Ilona
Topic: Datamuunnin- ja sumeanlogiikanlohkojen kehittäminen rinnakkaisprosessorirakenteeseen
Host: Turun yliopisto / IT-laitos / Mikroelektroniikan laboratorio
Grant: 5000 €

Vihonen Juho Ville
Topic: Signaalin havaitseminen heikoissa signaali-kohina olosuhteissa (RF-teknisissä sovelluksissa)
Host: Tampereen Teknillinen Yliopisto, Signaalinkäsittelyn laitos
Grant: 5000 €

Viinikka Jouni Matias
Topic: Analysis tools for security alert management
Host: Université de Caen, Informatique (Tietotekniikka)
Grant: 5000 €

Vuokko Lasse Veikko Samuli
Topic: MIMO radio systems and radiowave propagation
Host: Teknillinen Korkeakoulu

2003

Ahmed Mohammed
Topic: Sliding mode control for switch mode power supply
Grant: 5000 €

Alakarhu Juha Heikki
Topic: Muistijäljen mallintamiseen perustuva DRAM-järjestelmän suunnittelu
Grant: 3500 €

Alén Petra Johanna
Topic: Nitridikalvojen kasvattaminen ald-menetel-mällä mikroelektroniikan sovelluksiin
Grant: 5000 €

Antoniac Peter Mihai

Topic: Mobile augmented reality interface sign interpretation language (marisil)

Grant: 5000 €

Battarbee Katja Marika

Topic: Co-experience - User experience in interaction

Grant: 5000 €

Bilcu Radu Ciprian

Topic: Adaptive finite impulse response filters and applications

Grant: 5000 €

Björklund Dag Wiking

Topic: High-level design of heterogeneous embedded systems

Grant: 5000 €

Boda Péter Pál

Topic: Semantiikka laajemmassa mielessä: Yhtenäinen lähestymistapa multimodaali-seen fuusioon, kielen ymmärtämiseen ja kontekstin tulkintaa

Grant: 5000 €

Borkowski Maciej Jan

Topic: Very low noise sigma-delta frequency synthesis

Grant: 5000 €

César Pablo

Topic: Graphical user interface components for embedded devices

Grant: 5000 €

Eriksson Jan Mauritz

Topic: Theory and algorithms of independent component analysis and signal separation

Grant: 5000 €

Harju Lasse Kalervo

Topic: Monistandardivastaanottimen digitaali-radion toteutusmenetelmät järjestelmä-mikropiirillä

Grant: 5000 €

Hasu Vesa Petteri

Topic: Adaptiivinen keilanmuodostus ja tehon-säätö langattomassa tietoliikenteessä

Grant: 5000 €

Himberg Klaus Johan Christian

Topic: Käyttöliittymät ja tiedon louhinta

Grant: 5000 €

Häkkilä Jonna-Riitta

Topic: Interaction with context-aware mobile handheld devices

Grant: 4000 €

Hämäläinen Matti Ilmari

Topic: Ultra wideband co-existence studies

Grant: 5000 €

Hämäläinen Perttu Juho
Topic: Tietokonenäköön ja -kuuloon perustuvat opetukselliset käyttöliittymät
Grant: 5000 €

Kaija Tero Veikko
Topic: Komponenttimittauksissa käytettävien testirakenteiden optimointi soi-alustalla
Grant: 5000 €

Kalliomäki Ilkka Veikko Johannes
Topic: Probabilistic methods for pose-invariant recognition in computer vision
Grant: 5000 €

Kaukovuori Jouni Kristian
Topic: Matalan tehonkulutuksen radiotaajuus-piirien integrointi CMOS-teknologialla
Grant: 5000 €

Keränen Kimmo
Topic: Photonic module miniaturization and integration process
Grant: 5000 €

Kohvakka Mikko Jalmari
Topic: Ubiquitous-verkon suunnittelu ja toteutus
Grant: 5000 €

Koskinen Henri Markus
Topic: Ad hoc-verkkojen suorituskykyanalyysi
Grant: 5000 €

Krogerus Joonas Veli-Allan
Topic: Development of antenna performance measurement methods and multi-antenna structures for mobile terminals
Grant: 5000 €

Kurjenniemi Janne
Topic: Radioresurssien hallinta tulevaisuuden matkapuhelinjärjestelmissä
Grant: 5000 €

Kuusniemi Heidi Camilla
Topic: Virheentunnistus matkapuhelimen käyttäjän paikannuksessa
Grant: 5000 €

Kylmäkoski Veikka Roope Olavi
Topic: Tehostettua tuotteiden määrittelyä ohjel-mistoprojekteissa RaPiD7 menetelmällä
Grant: 5000 €

Latvala Timo Mikael
Topic: Asynkronisten järjestelmien mallintarkastus
Grant: 5000 €

Lehtinen Vesa Kalervo
Topic: Digitaalisia signaalinkäsittelyalgoritmeja sekä niiden epäideaalisuudet ja analyysi-menetelmät tietoliikennejärjestelmissä
Grant: 4000 €

Lehtomäki Janne Jooseppi
Topic: Tietoliikennesignaalien ilmaisu
Grant: 5000 €

Leino Jari Tapio
Topic: Moniantennijärjestelmät langattomissa matkaviestinjärjestelmissä
Grant: 5000 €

Leppänen Sari Maija
Topic: Rigorous development of communicating systems
Grant: 5000 €

Liljeberg Pasi Kristian
Topic: Asynkroniset piiriarkkitehtuurit ja signalointimenetelmät tulevaisuuden
tietoliikennejärjestelmäpiireissä
Grant: 5000 €

Loikkanen Mikko Topi
Topic: Audio-ja tehonsäätörakenteiden pieni-tehoiset matalan käyttöjännitteen CMOS tehovahvistimet
Grant: 5000 €

Makkonen Matti Tapani
Topic: Akustiset pinta-aaltosuodattimet bluetooth-standardiin ja langattoman lähiverkon (5GHz)
taajuuksille
Grant: 5000 €

Miao Honglei
Topic: Pilot based and blind channel estimation for wireless MIMO-ofdm system
Grant: 5000 €

Miettinen Jani Tapio
Topic: Mikroelektroniikan 3D pakkaustekniikan luotettavuutta käsittelevä väitöstutkimus
Grant: 5000 €

Moltchanov Dmitri
Topic: Packet level performance evaluation of 4g all-ip mobile networks
Grant: 5000 €

Ojansivu Ville Pertti Johannes
Topic: Video stabilization and applications
Grant: 5000 €

Paavola Jarkko Ilari
Topic: Signal design for high-capacity CDMA networks
Grant: 5000 €

Penttilä Katariina Maaria
Topic: Rfid-lukijan kehittäminen tulevaisuuden automatisoituun läsnä-äly-tunnistukseen
Grant: 5000 €

Pesonen Lauri Ilja Waltter
Topic: Autentikointi ja valtuutus avoimissa ja laajastihajautetuissa järjestelmissä
Grant: 5000 €

Pirinen Tuomo Väinö Vilhelm
Topic: Aikaeroon perustuva tulosuunnan arviointi
Grant: 5000 €

Poikonen Jonne Kalevi
Topic: Analogisten rakenteiden optimointi suuritehoista rinnakkaisprosessoria varten
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