

Doctoral Programme of Computing and Electrical Engineering

Post-graduate research fields with supervising professors and docents

Communications Engineering

[Link to the research Unit >>](#)

Professors and sub fields:

Prof.	Sergey Andreev	Communications engineering and radio system
Prof.	Yevgeni Kucheryavy	Communications engineering and radio system
Prof.	Jukka Lempiäinen	Communications engineering and radio system
Prof.	Elena-Simona Lohan	Communications engineering and radio system
Prof.	Jari Nurmi	Communications engineering and radio system
Assoc.Prof.	Taneli Riihonen	Communications engineering and radio system
Assoc.Prof.	Bo Tan	Communications engineering and radio system
Prof.	Mikko Valkama	Communications engineering and radio system

Computing

[Link to the research Unit >>](#)

Professors and sub fields:

Prof.	Pekka Abrahamsson	Software process
Prof.	Timo D. Hämäläinen	Computer engineering
Assist.Prof.	Alejandro Cabrera Aldaya	Network and information security
Assoc.Prof.	David Hästbacka	Software design
Prof.	Hannu-Matti Järvinen	Software design
Assoc.Prof.	Pekka Jääskeläinen	Computer engineering
Assoc.Prof.	Antonios Michalas	Network and information security
Prof.	Kari Systä	Software process
Assoc.Prof.	Davide Taibi	Software process
Assoc.Prof.	Jarno Vanne	Computer engineering
Docent	Zheyang Zhang	Software development

Data Science and Statistical Data Analysis

[Link to the research Unit >>](#)

Professors and sub fields:

Prof.	Frank Emmert-Streib	Statistical data analytics
Assoc.Prof.	Gerardo Iniguez Gonzalez	Complex systems
Prof.	Martti Juhola	Data and knowledge modeling
Prof.	Juho Kanninen	Statistical data analytics
Docent	Hyon-Jung Kim-Ollila	Statistical data analytics
Prof.	Jyrki Nummenmaa	Data and knowledge modeling
Prof.	Jaakko Peltonen	Statistical data analytics
Assoc.Prof.	Konstantinos Stefanidis	Data and knowledge modeling
Prof.	Ari Visa	Data and knowledge modeling

Electrical Engineering

[Link to the research Unit >>](#)

Professors and sub fields:

Prof.	Pertti Järventausta	Smart Grids
Assoc.Prof.	Petros Karamanakos	Power Electronics
Assist.prof.	Kari Lappalainen	Smart Grids

Assoc.Prof.	Paavo Rasilo	Electromechanics
Prof.	Sami Repo	Smart Grids
Assoc.Prof.	Tomi Roinila	Power Electronics
Docent	Tiina Salmi	Applied Superconductivity
Prof.	Seppo Valkealahti	Smart Grids
Prof.	Pekka Verho	Smart Grids
Docent	Kari Lahti	High Voltage Engineering

Electronics

[Link to the research Unit >>](#)

Professors and sub fields:

Assoc.Prof.	Sayani Majumdar	Electronics and embedded systems
Prof.	Matti Mäntysalo	Electronics and embedded systems
Prof.	Karri Palovuori	Electronics and embedded systems
Assist.Prof.	Vishnu Unnikrishnan	Electronics and embedded systems
Prof.	Jukka Vanhala	Electronics and embedded systems

Mathematics

[Link to the research Unit >>](#)

Professors and sub fields:

Prof.	Tomi Janhunen	Logic and algebra
Assoc.Prof.	Lassi Paunonen	Inverse problems and mathematical analysis
Prof.	Sampsa Pursiainen	Inverse problems and mathematical analysis
Assoc.Prof.	Pasi Raunonen	Inverse problems and mathematical analysis
Prof.	Esko Turunen	Logic and algebra
Prof.	Lauri Hella	Logic and algebra
Prof.	Eero Hyry	Logic and algebra
Docent	Simo Ali-Löytty	Industrial mathematics
Docent	Henri Hansen	Mathematical logic in computer science

Signal Processing and Machine Learning

[Link to the research Unit >>](#)

Professors and sub fields:

Assist.Prof.	Robert Bregovic	Machine learning
Prof.	Karen Eguiazarian	Image and video signal processing
Prof.	Tapio Elomaa	Machine learning
Prof.	Alessandro Foi	Image and video signal processing
Prof.	Moncef Gabbouj	Machine learning
Prof.	Atanas Gotchev	Image and video signal processing
Prof.	Joni Kämäräinen	Computer vision and robotics
Prof.	Tarmo Lipping	Machine learning
Assist.Prof.	Annamaria Mesaros	Audio signal processing
Assist.Prof.	Archontis Politis	Machine learning
Prof.	Esa Rahtu	Computer vision and robotics
Assoc.Prof.	Okko Räsänen	Audio signal processing
Prof.	Ioan Tabus	Image and video signal processing
Prof.	Tuomas Virtanen	Audio signal processing

Contact information from the [University's "People Search" >>](#)