Welcome to Study in

Faculty of Information Technology and Electrical Engineering
ITEE

Education Dean Jari Iinatti
ITEE FACULTY

CRITICAL MASS IN OUR RESEARCH FOCUS AREAS
- Ability to execute on very demanding problems
- Multi-disciplinary expertise resulting new innovations

COMPETENCE CUMULATION
- Experienced senior researchers
- Each professor has a seasoned team

OFFERING STABLE ENVIRONMENT
- Seasoned in winning funding
- Excellent local and international networks

STRONG ACTOR IN ICT FIELD

HIGH-QUALITY EDUCATION
- Competent workforce for companies, research institutions and public sector
- Well-balanced between fundamental and applied research
- Long R&D tradition with local and international companies

MULTI-DISCIPLINARY ICT RESEARCH
- Internationally reviewed and credited research units
- Balanced fundamental and applied research
- Seasoned in winning funding
- Excellent local and international networks

FACULTY OF ITEE

600 EXPERTS
50 PROFESSORS
40 SENIOR RESEARCH FELLOWS
35M€ ANNUAL FUNDING
200 PROJECTS
12 INTERNATIONALLY ACCLAIMED GROUPS
35 PHD DEGREES ANNUALLY
150 MSC DEGREES ANNUALLY

INTERNATIONALY REPRSENTED
- 12 INTERNATIONALLY ACCLAIMED GROUPS
- 600 EXPERTS
- 50 PROFESSORS
- 40 SENIOR RESEARCH FELLOWS
- 35M€ ANNUAL FUNDING
- 200 PROJECTS
- 12 INTERNATIONALLY ACCLAIMED GROUPS
- 35 PHD DEGREES ANNUALLY
- 150 MSC DEGREES ANNUALLY
ITEE RESEARCH FORMS A SOLUTION CREATION VALUE CHAIN
6G Enabled Wireless Smart Society & Ecosystem

- National Flagship for 2018-2026
- Volume 251M€
- Operated by University of Oulu
- Collaboration with Nokia, VTT, Aalto University, BusinessOulu, OUAS.

1. Wireless Connectivity
   - Ultra-reliable low-latency communications
   - Enabling Unmanned Processes

2. Devices & Circuits
   - THz communications materials & circuits
   - Enabling Unlimited Connectivity

3. Distributed Computing
   - Mobile edge intelligence
   - Enabling Time Critical & Trusted Apps

4. Services & Applications
   - Multidisciplinary research across verticals
   - Enabling Disruptive Value Networks

6G Flagship was selected as Finland’s high-tech Flagship, by Finnish Government through Academy of Finland

6GFLAGSHIP.COM • #6GFLAGSHIP
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<td>INTERACT</td>
<td>Human Computer Interaction and Human-Centered Development</td>
<td>Prof. Netta Iivari</td>
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<td>Empirical Software Engineering in Software, Systems and Services</td>
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ITEE Study Programmes

Main Disciplines

Electronics and Communications Engineering
- Study programme (5 years)
- Master programme (2 years)
- International master programmes (2 years)

Computer Science and Engineering:
- Study programme (5 years)
- Master programme (2 years)
- International master programme (2 years)

Information Processing Science
- Study programme (5 years)
- Master programme (2 years)
- International master programme (2 years)

These degree programmes will take care of you now on!

ITEE Units

Biomedical Engineering
- Master programme (2 y)
- International Master Programme (2 y)
  With Faculty of Medicine

Business Analytics
- International Master Programme (2 years)

EDUCATION EXPORT: Bachelor programme in Software Engineering with NJIT (3 y)
  With Nanjing Institute of Technology

With Business School
FIVE-YEAR PROGRAMS IN FINNISH BACHELOR + MASTER DEGREE

Computer Science and Engineering (100+20)
- Applied Computing
- Artificial Intelligence
- Computer Engineering

Electronics and Communications Engineering (85+20)
- Electronics Design
- Electronics, Materials and Components
- Communications Engineering
- Photonics and Measuring Technology
- RF Engineering

Information Processing Science (150+35)
- Information Systems
- Software Engineering

Master programmes (Finnish call)
- BME (20+3 via open path, with Faculty of Medicine)
- CSE (20)
- ECE (20)
- IPS (40, of which 10 via open path)

INTERNATIONAL MASTER’S PROGRAMS

BA Business Analytics (15+15) (+ 20 in Business School)
BME Biomedical Engineering: Signal and Image Processing (30 with Faculty of Medicine)
CSE Computer Science and Engineering (50)
ELE Electronics (30)
GS3D Software, Systems and Services in the Global Environment + DD-EMSE (45+15)
WCE Wireless Communications Engineering + 2 DD-programmes (30+10)

INTERNATIONAL BACHELOR PROGRAM

DICE International Degree Programme in Digitalization, Computing and Electronics (DICE) (48)

EDUCATION EXPORT

Software Engineering with NJIT (100 => 100)
Remember to

• Follow the guidelines by study programmes, tutors (SOMA), etc.
• Work hard all the time (during days)
• Ask if problems: teachers are helpful despite their hurries
• Think critically
• Enjoy
• Because =>
YOUR FUTURE IS BRIGHT!
30 SPIN-OFF COMPANIES 2001-2018

Intopii (2000)
Codecomicon (now Synopsys) (2001)
Ludocraft (2002)
Atomia (2004)
Farmind (2005)
Nuhalaboratorio (2005)
Brieftech (2006)
Kuetku Games (2006)
Clarified Networks (2006)
Viherio technologies (2006)
Nelilab (2006)
Visidon (2006)
Joticon (2007)
Nanogalax (2007)

Nanordic (2009)
Dimense (2010)
Indalgo (2010)
Pikesta (2010)
Kyyne/KNL Networks (2011)
IndoorAtlas (2012)
Aquamarine Robots (2013)
Things Around (2014)
Timegate Instruments (2014)
Websectec (2014)
Valossa Labs (2015)
Valossa Labs (2015)
Solmu Technologies (2016)
Cerenion (2017)
Sensmet (2017)
AlISpotter (2018)
Onnea taipaleellenne!

Viimeistään Publiikissa tavataan!