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

STRONG PORTFOLIO OF RESEARCH PROJECTS
Well-balanced between fundamental and applied research
Long R&D tradition with local and international companies

HIGH-QUALITY EDUCATION
Competent workforce for companies, research institutions and public sector
Internationally reviewed and credited research units
Balanced fundamental and applied research
MULTI-DISCIPLINARY ICT RESEARCH

STATE OF THE ART RESEARCH
Internationally acclaimed research units
Balanced fundamental and applied research
Long R&D tradition with local and international companies

DIFFERENTIATING INNOVATION OUTPUT
International review and credit for research units
Balanced fundamental and applied research
Long R&D tradition with local and international companies

ITEE FACULTY
550 EXPERTS
44 PROFESSORS
40 SENIOR RESEARCH FELLOWS
35M€ ANNUAL FUNDING
200 PROJECTS
12 INTERNATIONALLY ACCLAIMED GROUPS
35 PHD
160 MSC DEGREES ANNUALLY
444 PROJECTS
200 PHD
1600 MSC DEGREES ANNUALLY
ITEE RESEARCH FORMS A SOLUTION CREATION VALUE CHAIN

THIS RESEARCH IS AT THE CORE OF THE FOCUS AREA “DIGITAL SOLUTIONS IN SENSING AND INTERACTIONS” – UNIVERSITY OF OULU STRATEGY 2016-2020
# ITEE Research Units

<table>
<thead>
<tr>
<th>Unit</th>
<th>Department</th>
<th>Professor</th>
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<tbody>
<tr>
<td>CAS</td>
<td>Circuits and Systems</td>
<td>Prof. Timo Rahkonen</td>
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<tr>
<td>MIC</td>
<td>Microelectronics</td>
<td>Prof. Heli Jantunen</td>
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<tr>
<td>OPEM</td>
<td>Opto-Electronics and Measurement Techniques</td>
<td>Prof. Tapio Fabritius</td>
</tr>
<tr>
<td>CWC-RT</td>
<td>CWC- Radio Technologies</td>
<td>Prof. Markku Juntti</td>
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<tr>
<td>CWC-NS</td>
<td>CWC - Networks and Systems</td>
<td>Prof. Jari Iinatti</td>
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<tr>
<td>CMVS</td>
<td>Center for Machine Vision and Signal Analysis</td>
<td>Prof. Olli Silven</td>
</tr>
<tr>
<td>BISG</td>
<td>Biomimetics and Intelligent Systems</td>
<td>Prof. Juha Röning</td>
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<tr>
<td>UBIComp</td>
<td>Ubiquitous Computing</td>
<td>Prof. Timo Ojala</td>
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<tr>
<td>M3S</td>
<td>Empirical Software Engineering in Software</td>
<td>Prof. Markku Oivo</td>
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<tr>
<td>OASIS</td>
<td>Oulu Advanced Research on Service and Information Systems</td>
<td>Prof. Harri Oinas-Kukkonen</td>
</tr>
<tr>
<td>INTERACT</td>
<td>Human Computer Interaction and Human-Centered Development</td>
<td>Prof. Netta Iivari</td>
</tr>
<tr>
<td>ACM</td>
<td>Applied and Computational Mathematics</td>
<td>Prof. Keijo Ruotsalainen</td>
</tr>
</tbody>
</table>
FIVE-YEAR PROGRAMS IN FINNISH BACHELOR + MASTER DEGREE

Electronics and Communications Engineering (60)
- Electronics Design
- Electronics, Materials and Components
- Photonics and Measuring Technology
- Communications Engineering
- RF Engineering

Computer Science and Engineering (60)
- Artificial Intelligence
- Applied Computing
- Computer Engineering

Information Processing Science (95)
- Information Systems
- Software Engineering

These degree programmes will take care of you now on!
ITEE EDUCATION

INTERNATIONAL MASTER’S PROGRAMS

- CSE – Computer Science and Engineering (45)
- BME – Biomedical Engineering: Signal and Image Processing (10, total 20)
- WCE – Wireless Communications Engineering, includes 2 DD-programmes (30+15)
- GS3D – Software, Systems and Services in the Global Environment (40)
- EMSE – European Master in Software Engineering, Double Degree (15)


EDUCATION EXPORT

Collaboration Program in Software Engineering with Nanjing Institute of Technology (NJIT), 100 students start at NJIT annually

Option to extend: Information Systems, Computer Science and Engineering, Electronics and Communications Engineering

Fab Lab has proven to be an excellent environment for everyone - children, families, teachers, university students, researchers,...
6G FLAGSHIP PROGRAM 2018-2026, TOTAL BUDGET 251 MILLION €, OVER 300 RESEARCHERS
FACULTY OF INFORMATION TECHNOLOGY AND ELECTRICAL ENGINEERING

UNIVERSITY OF OULU