



# International Partnerships for Excellent Education and Research in Information Technology (IPIT)

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(NTNU)



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With funding from  
The Research Council of Norway



# Agenda

- <https://ipit.network/university-of-michigan-2-5-june-2019/>
- Project

# Norwegian University of Science and Technology

- Norway 5 M persons
- <https://www.ntnu.edu/>
- 42 031 students
- 7401 person-years
- 395 doctoral degrees
- NOK 9,4 billion annual budget
- Department of Computer Science  
<https://www.ntnu.edu/idi>
- artificial intelligence (AI), big data, computer architecture, computer graphics, computer security, databases, human computer interaction (HCI), information systems, operating systems, software engineering, and search
- 3000 students, 300 employees including PhD students

# Main Objective

- Develop a highly visible international consortium, composed from world's leading institutions in the area,
  - share best practices,
  - build and strengthen academic cooperation in IT

NTNU, University of Michigan, Tsinghua University and Nanjing University



# Reciprocal Mobility of students

- Incoming International visits for the most qualified and motivated bachelor, master, and PhD students to NTNU
- Outgoing NTNU students to University of Michigan, Tsinghua University, and Nanjing University





# Research and Education



- Research Workshops and Empirical studies :
  - Establishment of common research activities and laboratories
  - Pilot new teaching methods in courses
  - Gather data related to student satisfaction and learning
  - PhD project – Software engineering and Tech Startup-s



# The research group at NTNU



- Letizia Jaccheri (IPIT project leader)
- Jingyue Li
- Michail Giannakos
- Fufen Jin
- Orges Cico



# The research group at Nanjing

- Prof. He (Jason) Zhang - member of the cluster board
- Guoping Rong
- Director of Software Engineering and Architecture Laboratory (SEAL) at the Software Institute and the Department of Computer Science and Technology of Nanjing University







# Status

- Agreement Established between NTNU and Nanjing University
- One Master Student, Nora Tomas currently at Nanjing University
- Security and DevOps
- EASE Conference in Trondheim April 14-17 2020 – PhD Symposium – possibility to apply for Fellowships

# The research group at Tsinghua

- Xiaoying Bai - member of the cluster board.
- Associate professor at the Department of Computer Science and Technology of Tsinghua University.



# Status

- Agreement between NTNU and Tsinghua University
- Several students from NTNU have been enrolled
- One Master Student, Eirik Lund Blockchain and Sustainability
- **Blockchain and Sustainability: A Systematic Mapping Study.** Eirik Harald Lund, Letizia Jaccheri, Orges Cico, Jingyue Li and Xiaoying Bai - WETSEB 2019
- EASE Conference in Trondheim April 14-17 2020 – PhD Symposium – possibility to apply for Fellowships

# University of Michigan

- Dr. Barbara Ericson and prof. Prof. Mark Guzdial
- Agreement Established between NTNU and University of Michigan
- Faculty and PhD stay in 2018
- One Master Student, Ina-Marie Hansen currently at University of Michigan – theme Games for empathy
- Summer school in Trondheim and other synergies with Excited



# Practicalities and opportunities

- Total project budget 5 MNOK (0.57 M USD)
- Master students
  - (incoming to NTNU) 17.000 NOK per month + travel
  - (outgoing to China or US) 11.000 NOK per month
- PhD students
  - IPIT can top up Chinese and Us fellowships

Thank you

- Questions?

