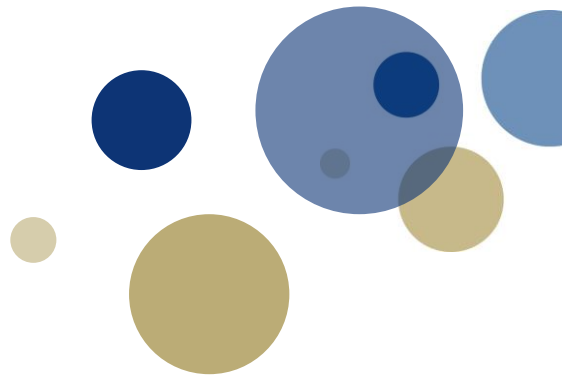




**NTNU – Trondheim**  
Norwegian University of  
Science and Technology



# Department of Computer Science

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

# Goals

- The main objective is to develop a highly visible international consortium, composed from world's leading institutions in the area, in order to: 1) share best practices, and 2) build and strengthen academic cooperation in Information Technology (IT). The main grant awarded with thematic relevance to the IPIT project application is: the SFU Centre for Excellent IT Education

*I think about the world* (Professor Monica Divitini sometimes in early 2000 when I was complaining about a small local issue)



Make IT an attractive study choice for  
young people

Norway in the forefront of innovative IT  
education



Centre for  
Excellence in  
Education



NORD  
University



NTNU

# Areas of research and action

Recruiting a diversity of young people  
into IT studies

1<sup>st</sup> year as an IT student: identity,  
community, study habits

Courses / projects involving  
learning through **construction**

Learning arenas **across  
campuses**: sharing and reflecting

Career readiness / employability;  
collaboration with **industry**: courses,  
student projects

Learn more at:

<https://www.ntnu.edu/excited>

# IPIT's international partners

1. University of Michigan, USA (Assistant Prof. Barbara Ericson and Prof. Mark Guzdial, College of Computing);
2. Tsinghua University, China (Associate Prof. Xiaoying Bai, Dept. of Computer Science and Technology);
3. Nanjing University, China (Prof. He (Jason) Zhang, Software Institute and Department of Computer Science and Technology).
4. NTNU



# Apply for fellowships



- Students and colleagues
- <https://ipit.network/fellowships/>
- IPIT Deadline 1. Juni
- NTNU 15 September (for departure in spring) \*
- NTNU 1 March (for departure in autumn/spring) \*
  - 1. Your status at NTNU (student, PhD student, Teacher, administrative, other)
  - 2. Where do you want to go (Tsinghua University, Nanjing, Michigan, Flexible)
  - 3. when do you want to departure and how long do you want to stay?
  - 4. What do you want to achieve?
    - It can be Master thesis, semester abroad,
    - joint courses, JOINT PROJECTS, paper writing, administrative exchange, summer courses and hackathons, etc.
  - 5. other issues
  - 6. CV (you can provide URL)
  - 7. email address
-

# Challenges and Objectives



- Challenge 1: Students choose to visit places with weak connections between departments at research and administration level.
- Objective 1: Establish sustainable long term strategic research and education partnerships with the International partners to increase synergy
- Challenge 2: IDI's International Master in Information Systems have few places allocated by the University and it is not extremely popular
- Objective 2: Increase quality and popularity of IDI's International offers at Master Level
- Challenge 3: Many students choose not to travel abroad as they may lose the possibility for summer jobs
- Objective 3: Improve the economic and structural conditions of outgoing students
- Challenge 4: Research based education is our pillar.
- Objective 4: Stronger connection between Research and Education

## Reciprocal Mobility of Administrative and Scientific Personnel (Objective 1)

- Activities: a) Kick off Meeting at NTNU; Research Meeting in China (focus SE); Research Meeting in US (focus CSE); Sabbatical semesters for main partners; Workshops to set up exchange agreements and double degrees; Short term visits for scientific personnel; Short exchange of administrative personnel.

## Reciprocal Mobility of students (Objective 2 and 3)

- Activities: a) Student Workshop at NTNU; b) Incoming International visits for the most qualified and motivated bachelor students to NTNU to attract them to NTNU International Master and PhD programs

## Research Workshops and Empirical studies (Objective 4)

- Activities: Strategic planning of common research activities and laboratories (including how to apply for common projects beyond IPIT). Pilot the new teaching methods in concrete courses (e.g. software engineering courses); Empirical studies in which students act both as subjects and researchers; Master (and Bachelor) level activities like summer courses and hackathons



# Activities

- Student scholarship = 50 KNOK x 30 (including incoming)
  - master students
    - Last semester master thesis
    - 7th, 8th, 9th semester
  - bachelor students
    - Bachelor project / 6th semester
- Researcher exchange
  - Kick off Meeting at NTNU;
  - Research Meeting in China (focus SE);
  - Research Meeting in US (focus CSE);
  - Sabbatical semesters for main partners;
  - Workshops to set up exchange agreements and double degrees;
  - Short term visits for scientific personnel;
  - Short exchange of administrative personnel.



# Future

- Meeting 5. March (<https://ipit.network/2018/02/05/ipit-event-for-students-and-employees-5-3/>)
- Kick off meeting 4-6 June
- Fellowship (circa 50.000 Kr. per semester when abroad) – focus on master thesis
- Excursion Spring 2019 and/or Spring 2020 to China and/or Michigan – IPIT can sponsor, we can negotiate how much
- General cooperation with Excited  
<https://www.ntnu.edu/excited> (IPIT build on Excited)

# Apply for fellowships

- Students and colleagues
- <https://ipit.network/fellowships/>

