

University – industry collaboration

Experiences from Finland and Malaysia

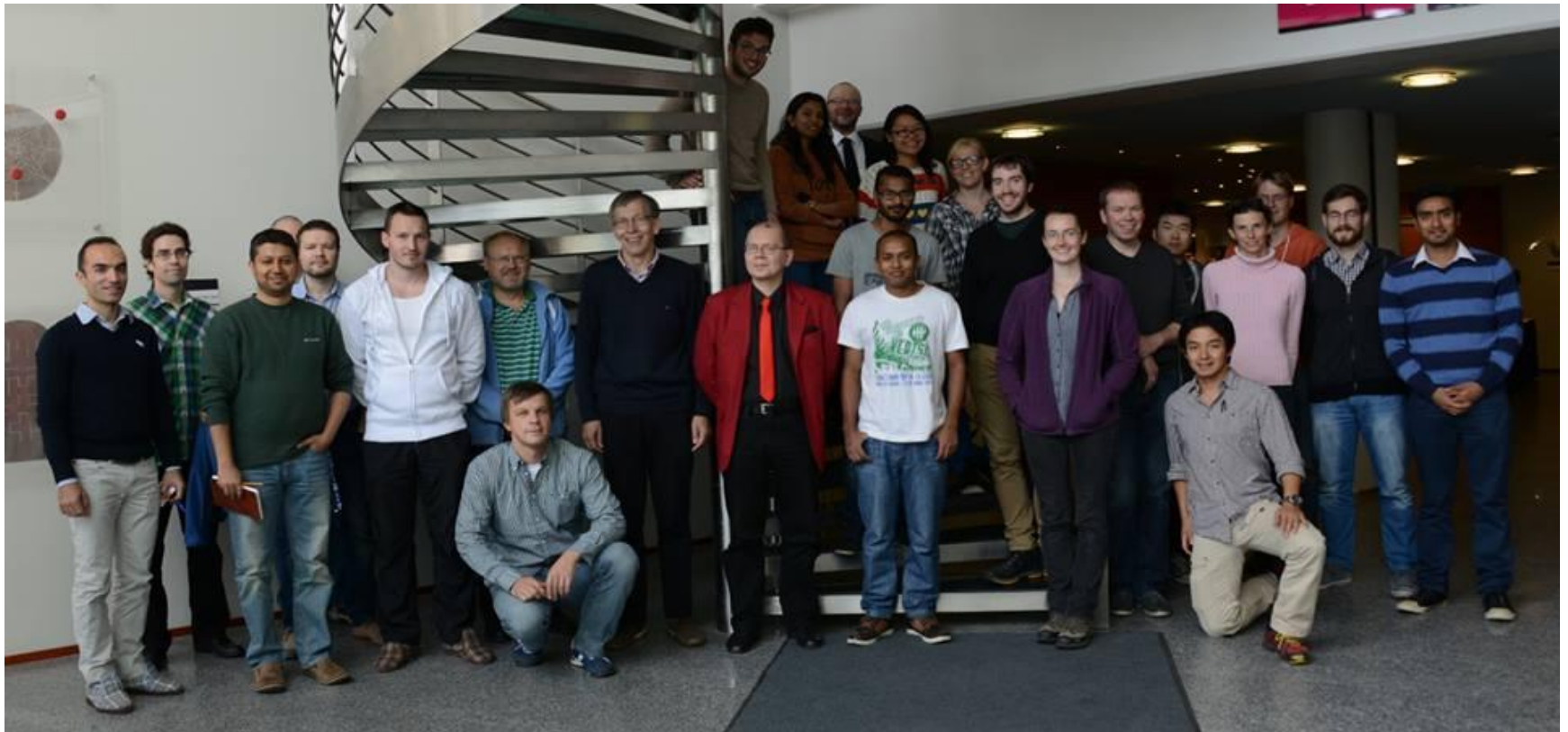
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University of Eastern Finland Computational Spectral Imaging Group Science and Engineering viewpoint



UB Cooperation - Universities

- are interested in
 - support in education: visitors, visits to company
 - MSc and PhD thesis topics
 - research collaboration
- will seek cooperation
 - *locally* for internships, visits, research collaboration
 - *globally* for research collaboration (+ internships)
- **Benefit:** keeps education and research industrially relevant

Students learn in company

- Work with deadlines
- Project thinking
- Work in a team
- Goal oriented work
- Reporting



Visiting a company gives motivation for studies especially in a foreign country



UB Cooperation - Companies

- are interested in
 - offering internships (when long enough)
 - accepting student groups to visit the company
 - giving presentation or lecture(s) in a specific topic
- will seek cooperation
 - *locally* to get employees
 - *globally* to find best talents and knowledge for their needs
- **Benefit:** gives access to good graduates and state-of-art knowledge

Finland

- University – industry cooperation is actively supported: mostly parties understand their role
 - governmental funding organizations: national and regional
 - strong element in the university funding
- Different events for people to meet
 - learn to know each other
- General atmosphere is relaxed
 - easy to contact a counterpart and make proposals

- Possibilities to create mutual trust

Malaysia

- Companies and universities have not much experience
 - multinational companies partly exception
- Industry structure more production than knowledge based
- Rising activities through governmental funding
- Somewhat nationally protective environment - foreign talents not fully utilized
 - restrictions to give internships to foreign students
 - restrictions in funding

- Not much experience on mutual trust

Building trust between university and company can be initiated by a collaborative university abroad



COSI – Erasmus+ MSc program



Industrial associate partners

OLYMPUS

Your Vision, Our Future



**Also public organizations
can be utilized for
reaching the goal**

**“graduates can
successfully operate in
international/global
environments”.**

<http://digimuseo.joensuu.fi/index.php?lang=en>



Means of collaboration

- Internships in companies
- Company people give lecture
- Topics for projects/group competitions from companies

- MSc-thesis:
 - topic from a company
 - done in a company
- PhD thesis: collaborative research project with a company

- Company people work at university lab

Key elements for well organized global collaboration

Trust

High quality of actions

Mutual genuine interest



Thank you!

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