Professional Doctorate Program for Software Architects

Jos Baeten
Kees van Hee
Harold Weffers
Software Technology
Information & Communication Technology
User System Interaction

8 others

Industry driving force: pays for projects, takes graduates.
Trainee program

- First year: technical courses, project & mgmt skills, soft skills
  - Courses, in-house projects in small groups

- Second year: project at a company
  - Joint supervision
Research vs. design

- Why?
- Empirical data
- Theory
- Invariants
- In isolation
- Abstraction
- Analysis
- Logic -> truth
- Knowledge

- How?
- Requirements
- Artefact
- Choices
- In context
- Concretization
- Synthesis
- Inspiration -> relevance
- Useful product
Other technical universities?

UK

Sweden

< Your name here? >
Graduate school

Integrated trajectories:

2 + 2 = 3.5
2 + 4 = 5

2 + 4 = 4, PhD by design
EIT KIC ICT

- Berlin
- Eindhoven
- Helsinki
- Paris
- Stockholm
Eindhoven, 2 - 6 nov. 2009

www.win.tue.nl/fmweek