Academic Skills in Computer Science – Introduction

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How to

▷ assess a research paper
▷ prepare a research talk
▷ give a research talk
▷ write a research paper

“Logic is everywhere …”
Skills – Assessment of Research Papers

The participants should acquire skills in

- identifying new scientific results
- tracing back original results
- critical thinking
- acquiring new scientific knowledge
- connecting new knowledge to background knowledge
- summarizing research papers
- evaluating research papers
Skills – Preparing and Giving Research Talks

- The participants should acquire skills in
  - setting up goals
  - selecting content
  - deleting content
  - assessing the background of the audience
  - selecting presentation methods
  - preparing slides
  - timing talks
  - giving talks
  - evaluating talks
Skills – Writing a Research Paper

The participants should acquire skills in

- using latex, bibtex and tikz
- structuring papers
- evaluating the target audience
- selecting goals
- selecting appropriate examples
- connecting new results to background knowledge
- citing existing publications
General Remarks

- This is not a typical lecture
- The course is based on assignments
- You may work in groups (of maximally three students)
- You need access to a computer
- We always meet on Mondays at 1:00pm
- We occasionally meet on Thursdays at 4:40pm
- The teaching assistant is Johannes Fichte (starting on May 1, 2018)
- The course is accepted in the modules
  - MCL-CS
  - INF-04-FG-SWT
  - INF-AQUA
The First Reading Assignment

- Keith Stenning and Michiel van Lambalgen: Semantic Interpretation as Computation in Nonmonotonic Logic: The Real Meaning of the Suppression Task

- Name at least three new main ideas presented in the paper

- Describe each idea in a short paragraph (3-5 lines)

- Next meeting: April 16, 2018