Seminar on Game Theory and Electronic Markets

SS16

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Information

- Block seminar
- ECTS: 4
- Language: English/German

*Networks, Crowds, and Markets:
Reasoning about a Highly Connected World,*

David Easley, Jon Kleinberg

https://www.cs.cornell.edu/home/kleinber/networks-book/

Deadlines

- Selection of topic/paper (FCFS)
  Fri., April 29th, 2016

- Submission of written report
  ~~Fri., June 3rd, 2016,~~ Fri. July 1st, 2016

- Submission of presentation slides
  ~~Fri. July 1st, 2016,~~ Fri. July 8th, 2016

- Presentation Fri. July 15th, Fri. July 22nd from 14:00 – 18:00.

Assessment

- Written report: 50%

- Presentation: 50%

- Participation (explained later)

- Attendance during the presentation session is mandatory!!

Written report's goals

- Gain experience in writing scientific papers
- Learn how to choose related work properly
- Improve writing skills

Written report - Steps

1. Choose one area
   - Games (chp. 6)
   - Evolutionary Game Theory (chp. 7)
   - Modeling Network Traffic using Game Theory (chp. 8
   - Auctions (chp. 9)
   - Matching Markets (chp. 10)
   - Network Models of Markets with Intermediaries (chp. 11)
   - Bargaining and Power in Networks (chp. 12)
   - Sponsored Search Markets (chp. 15)

Written report - Steps

2. Discuss a paper with your supervisor!

3. Download LaTeX template

   - ACM SIG (alternate style) from here

4. Write the report

   - Mandatory: Abstract, Introduction, Related work, Conclusions

   - Tailored: Implementation, Problem Statement, Experiments, Evaluation, etc.

Written report's requirements

- Style: write as if you were writing a survey
  - Avoid writing in first person
- Number of pages: 6
- Copy/Pastes are plagiarism
  - Always write in your own words

Presentation's goals

- Simulate a presentation in a scientific conference

- Learn to summarize the work in a few minutes

- Improve time management

- Have the right answer ready

Presentation - Steps

1. Download template from [here]
   - Format 16:9

2. Plan the structure of your presentation
   - Reach fast the problem statement
   - It should not reflect 1 to 1 the written report

Presentation's requirements

- 25 Min. presentation
- 15 Min. discussion
  - Questions from the audience (staff and students)
- Assume an IT audience, not necessarily specialists in your topic

Assessment – written report

- Structure of report
- Story line
- Initiative
- Writing style
- Quality of abstract
- Quality of related work
- Figures

Assessment – presentation

- Structure of presentation
- Story line
- Initiative
- Presentation style
- Ideas of the original paper are reflected
- Time management
- Number of slides

Assessment – participation

- Relevance of questions
- Relevance of participation

Thank you!

Any questions?