

Seminar “Intelligent Systems“

5959S Master Seminar

Prof. Dr. Ralf Krestel
Wednesday, July 10th 2019

Goal:

- Get prepared for your Master thesis, i.e. scientific work
 - Learn to search for related work
 - Practise to write scientific contributions
 - Practise to present scientific results
- Understand and experience the publishing process in research
- Perform the complete process from an idea to writing an article and finally to publishing/presenting your contribution
- Have a look “behind the scenes”, i.e. learn how the review process works and which duties academic researchers have besides those activities you recognise at the university / use the “real” conference tools

Schedule

- Five sessions during the semester:
 - Introduction/Organization
 - How to read papers?
 - How to write papers?
 - How to use LaTeX?
 - How to present papers?
- Three hour conference with all presentations

Organisation

- Maximum of 9 participants
- Each participant has his/her own topic
- Article and presentation in English
- Article: 8 pages (including references) in ACM double column style

Requirements:

- None
- But: You should be interested in machine learning / text mining / intelligent systems

Scope:

- Students from computer science
- Master

Focus: “**Intelligent Information Systems**“ – all topics deal with questions of how information can be collected, prepared, organized, or presented in an intelligent way with the help of machine learning.

Topics should come from these research areas:

1. Information Extraction
2. Representation Learning
3. Information Retrieval
4. Recommender Systems
5. Information Visualization
6. Knowledge Bases

1. Choose topic
2. Write one page proposal of what you want to do
3. Send proposal to ralf.kestel@uni-passau.de until October 7th 2019

Before semester starts!
Due to high demand we need a fair selection process.

4. First week of semester: Introductory session + selected students confirm participation

5. Identify and read relevant articles from the state-of-the-art
6. Conduct experiments
7. Pitch idea + give/get feedback
8. Write research article
9. Submit article to conference management system
10. Present contribution at conference
11. Participate in discussion and serve as “Session Chair“
12. Review assigned contributions from other students

During semester:
Five sessions to accompany the process