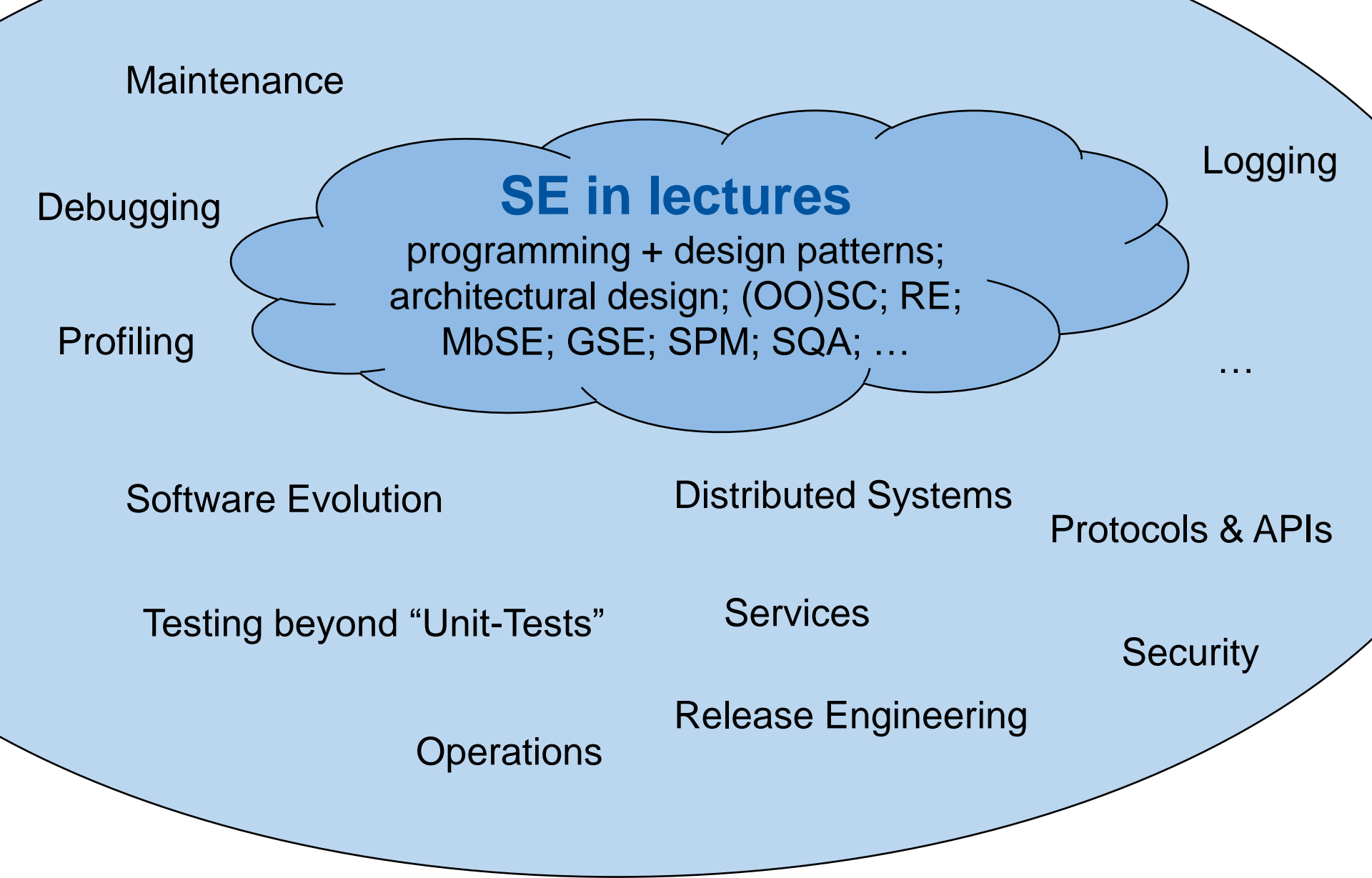


14.04.2021

[seminar@swc.rwth-aachen.de](mailto:seminar@swc.rwth-aachen.de)

# Full-scale Software Engineering & New Trends in Software Construction 2021

Kick-Off Meeting



# “Conference-like Seminar”


- Choose a topic
- Propose a contribution (title and vision)
- Write a paper
- Review other papers
- Improve your paper
- Prepare a presentation
- Give a talk



The screenshot shows the EasyChair login interface. At the top left is the EasyChair logo with the tagline 'The conference system'. To the right is a small illustration of a chair. The main heading is 'Log in to EasyChair for SWC 2016'. Below this is a cookie notice: 'EasyChair uses cookies for user authentication. To use EasyChair, you should **allow your browser to save cookies** from [easychair.org](http://easychair.org).' The login form has two input fields: 'User name:' and 'Password:'. Below these is a red 'Log in' button. At the bottom of the form, there are links for users without an account ('[create an account](#)'), those who forgot their password ('[click here](#)'), and those with login problems ('[click here](#)').

# Your Tasks and Schedule



- Get [Moodle material](#) and read the [required reading](#)
- Register at [EasyChair](#) 
  - [Note](#): This account you might use for real conferences
  - Thus: use your RWTH email
- Do [research](#)
- [Meet with your supervisor regularly](#)
- Choose a [title](#)
- Write an [outline / vision](#)
- Write a [paper](#)
- Write an [abstract](#)
- Write [two reviews](#)
- Prepare [1 question](#) for each (reviewed paper) talk
- Make a [presentation](#) and present your work
- [Attend Scientific Writing & Academic Presenting](#)
- [Attend all presentations of FsSE 2021](#)

- **Apr. 14.** (16:00-16:45) **Kick-off meeting** 🗂️
- **Apr. 15.-22.** **Appointment**: Discuss topic, literature, etc. 💬
- **Apr. 27. (13:00-14:30)** **Scientific Writing Workshop** 🗂️
- **Apr. 22.-29.** **Appointment**: Discuss outline, related work, and roadmap 💬
- **Mai. 02.** Deadline: Email **outline of paper** 📧
- **Mai. 30.** Deadline: Email **draft version of paper** 📧
- **Mai. 31.- Jun. 04.** **Appointment**: Discuss the draft version 💬
- **Jun. 02.** Deadline: Submit **abstract** 📄
- **Jun. 06.** Deadline: Submit **review preferences**
- **Jun. 13.** Deadline: Submit **first version of paper** 📄

- **Jun. 14.** Announcement: review assignment
- **Jun. 27.** Deadline: Submit reviews 🇪🇨
- **Jun. 29.** (13:00-14:30) Academic Presenting 🗣️
- **Jul. 5.-09.** Appointment: Discuss presentation 💬
- **Jul. 11.** Deadline: Submit camera-ready version 🇪🇨
- **Jul. 18.** Deadline: Submit final presentation 🇪🇨
- **Jul. 21. & 22.** (13:00-16:30) Presentations 🗣️ 🗣️

# Requirements in Detail



# Outline

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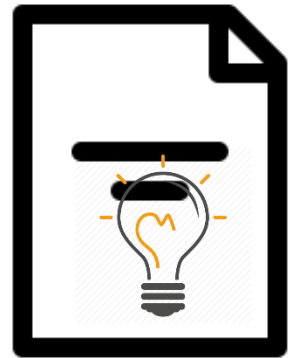
- Outline can – and **will** – **change**!
- **Submit a new contribution** €C
  - Invite your supervisor as co-author
- Think of the outline as **a vision**



## Abstract & Title

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- Abstract and title can – and **will** – **change**!
- Create the abstract when you have **the results**



# Paper

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- In **English!**
- Use our prepared **ACM-style LaTeX template** (see Moodle)
- **Rename** main .tex file:  
“**2021\_Author\_WorkingTitle.tex**”
- Follow **formal** requirements
  - references included
  - for 1<sup>st</sup> version:  $\pm 1$  page is “OK”
- Email **draft version** (.pdf only) @
- Update contribution with **1<sup>st</sup> version** €
- Update contribution with **2<sup>nd</sup> (final) version** €



# Reviews




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- Bid on papers
- Review two papers of your fellow students €€
- A review comprises:
  - Short summary (“Contribution of the submission”)
  - Detailed comments (“Comments for the authors”), e.g., improvements in structure, presentation, and grammar
  - Evaluation of the contribution (accept / reject / etc.)
  - Internal comments (optional, are only visible to the chair)



# Presentation

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- 20 Minutes!
- Choose a (digital) presentation tool, e.g., PowerPoint, LaTeX, Prezi
  - Whatever presentation method fits your topic best
  - We provide a PowerPoint template (see Moodle)
  - Embed fonts
  - Attach a .pdf version
- Email draft version (.pdf only) 
- Get feedback from supervisor (and fellow students?) 
- Submit new “Presentation” contribution for final version 
- Give your talk
- Prepare 1 question for each (reviewed paper) talk



# How we grade



- Comply with our **conventions** 😊
  - Username, naming files, submissions, using templates, etc.
  - The more (stupid) work we have ... 😞
- Stick to **deadlines** 😊
  - unless you have good reasons and communicate them upfront(!)
- Structure, content, language, and presentation of **your paper** 😊
  - E.g., diverge from page constraints ... 😞
  - E.g., only one or two references ... 😞
  - E.g., ignoring feedback ... 😞
- Value of **your reviews** 😊
- Quality of **your presentation** and **your talk** 😊
- Show us **effort** 😊
  - Appointments, communication, team contribution, etc.

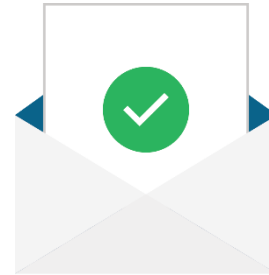
If your contribution is worth publishing,  
we will help you write a **real paper**!\*



\* FsSE 2015: 4 papers submitted / 2 published



- Make use of **links and materials on Moodle**
  - E.g., how to write abstract, introduction, paragraphs, etc.
- **Communicate**
  - With us
  - With your fellow students
  - See “Guideline for Emails”
  - Send orga-questions to [seminar@swc.rwth-aachen.de](mailto:seminar@swc.rwth-aachen.de)
- Email **appointment requests**
- **Backup your work**, e.g., GitLab, SVN, ...



# Topics and Assignments



Number	Supervisor	Topic	Student 1	Student 2
1	Peter Alexander	Exploring the quantification of EA debt	Md Al Mamun	Daniel Petri
2	Peter Alexander	Evaluating the applicability of Ms. Office applications for managing EA debt information	Patrick Piel	Jonas Füllmar
3	Christian Plewnia	(Quality of Service) Requirements of Workloads in Compute Clusters	Mahta Khoobi	Mudhammad Daniyal Danish
4	Christian Plewnia	Carbon Footprint Assessment of Compute Cluster Workloads	Philip Niederprüm	Yannick Kahlert
5	Selin Aydin	Towards a quality model for event driven architectures	Noyan Ahmed Siddiqui	Laurens Studtmann
6	Selin Aydin	Project management of big data projects - Challenges and Management Approaches	Nedelcho Dimov	Ivan Slavov
7	Nils Wild	Comparison of Software Quality Testing Strategies	Pascal Rene Sahner	Maria Kazantzi
8	Nils Wild	Bug Taxonomies to drive Test Automation	Timo Rohrer	Md Tasin Siddiqi
9	Alex Sabau	Comparing design patterns defined by Microsoft Azure and Amazon AWS	Pavan Nadkarni	Sehrish Khan
10	Alex Sabau	Towards an aspect classification of cloud computing design patterns	Ricky Jonathan	Joana Schmidt
11	Horst Lichter	How to perform security testing	Erdzan Rastoder	Jakob Drees