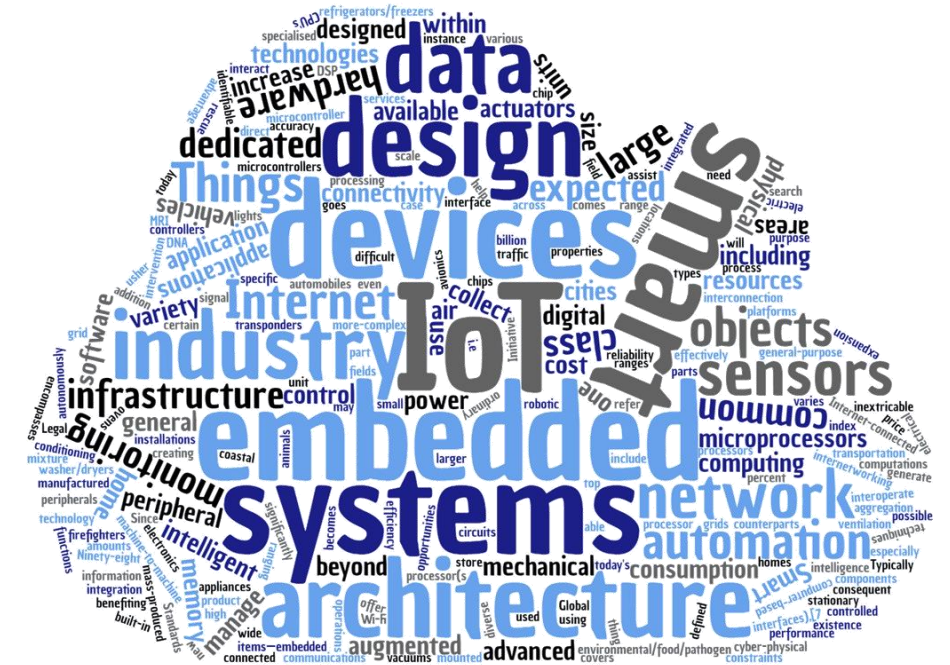


Kick-off Meeting 17.10.2019



Introduction of Lecturer

Name: Sebastian Steinhorst
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Introduction of Topic Supervisors

Name: Emanuel Regnath, M.Sc.
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Introduction of Topic Supervisors

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Introduction of Topic Supervisors

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Introduction of Topic Supervisors

Name: Jan Lauinger, M.Sc.
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Research: Secure Distributed Identity Management and Authentication Schemes

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Research Area of Group

Design methodology and hardware/software architecture co-design of resource-constrained distributed embedded systems

Application Areas:

Internet of Things, smart energy and automotive systems

Focus:

Decentralized system architectures

Research Goal:

Enable Cyber-Physical Co-Design across all abstraction levels

Topic Assignments

Student	Topic
Zubair Jamil	Automatic System Methodologies for the Internet of Things (Ege)
Erkan Sen	Comparison of Description Languages for the Internet of Things (Ege)
Marcus Schmidt	Penetration Testing in the Context of Web of Things (Ege)
Jens Ernstberger	Blockchain-Based Decentralized Trust Management in Vehicular Networks (Jan)
Dionisio Vendrell	Renovating Blockchain with Distributed Databases:An Open Source System (Jan)
Yueheng Luo	A blockchain future for internet of things security: a position paper (Jan)
Sebastian Thomas	Access Control: Attribute-Based Encryption with Blockchain (Emanuel)
Viseslav Aracic	Post-Quantum Cryptography for IoT: NIST Round 2 (Emanuel)
Sebastian Maier	Decentralized Dynamic Task Mapping (Philipp)
Ivan Smolin	Hybrid Mapping Approaches (Philipp)

Administrative Remarks

Semester Overview

- Kick-off meeting
- Introductions to
 - Literature review
 - English language for scientific writing
 - How to structure a good paper
 - How to write a good abstract
 - Layout of successful papers
 - How to present your work
- Meetings for discussion and feedback
- Discussion of paper peer-reviews
- Final presentation “Mini Conference”

Deliverables and Exam Registration

Deliverables

- Seminar Paper
- 3 Reviews of other papers
- Presentation

Exam registration

- Early registration
- To be announced via e-mail

Seminar Paper

- 4 Pages double column IEEE template (LaTeX)
https://www.ieee.org/conferences_events/conferences/publishing/templates.html
- Deadline 1 - Paper ready for review by others: 19.12.2019
- Deadline 2 - Final paper: 23.01.2020
- Independent work
- Literature review of the topic area, significantly extending beyond initial topic paper
- Meetings with supervisors possible every Thursday 9:45 – 12:00 (time slot coordination via email recommended with your supervisor)

Peer Review of Seminar Papers

- Each participant of the seminar reviews 3 of the other papers
- Review deadline is 9th of January

Purpose:

- Provide feedback to fellow seminar participants in a constructive fashion
- Improve own paper based on received feedback

Review template will be provided

Presentation

- Present your own paper and findings
- We will offer a test run in advance to receive feedback on presentation style and slide design
- The final presentations will be held in a block seminar “Mini Conference” (30.01.2020 and 06.02.2020) during the usual time slot
- Discussions and feedback on others’ presentations are encouraged

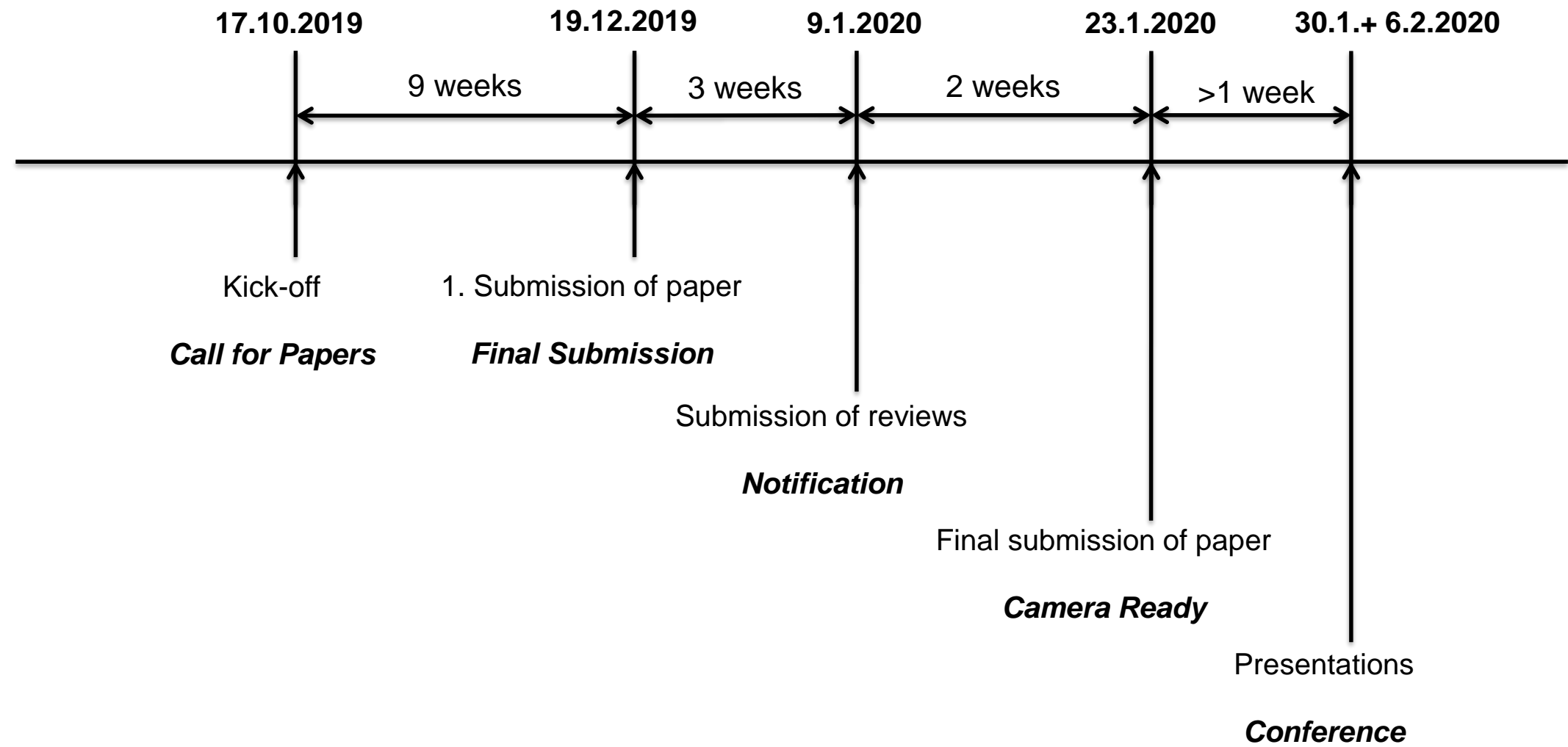
Presentation

30.01.2020	06.02.2020
Zubair Jamil	Yueheng Luo
Erkan Sen	Sebastian Thomas
Marcus Schmidt	Viseslav Aracic
Sebastian Maier	Jens Ernstberger
Ivan Smolin	Dionisio Vendrell

Presentation

- Every seminar participant presents his/her results using presentation slides (15 min)
- Every presentation is followed by a discussion on technical questions (5-10 min)
- A feedback discussion on the presentation follows (5 min)
- All discussions should be technical, constructive and fair

Schedule



Next Week

Identify the state of the art: how to find good references for your topic?

Preparation:

- Where would I search?
- What would I search for?
- What makes a credible source?
- How would I judge if a source matches my topic?
- How do I find a PDF of a paper?