

# Logic and Verification seminar

## Kickoff meeting

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November 5, 2019

# Organizational

- ▶ Tuesday 13:30 to 15:00, **every two weeks**
- ▶ Room: **TBD**
- ▶ Presentations by members of the group, guests, and by **you**
- ▶ Stay in touch: by mail (please register)
- ▶ The seminar page  
<https://arg-git.informatik.uni-kl.de/pub/ws19sem>

# Validation

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- ▶ Attend at least 5 sessions: **try to be active, ask questions**
- ▶ Pick a topic of your choice (list incoming)
- ▶ **Prepare and present a talk** ( $\sim 40$ min+questions)
- ▶ Write up a small summary ( $\sim 5$  pages)

# Timeline

- ▶ Choice of topic: November 18th pick at least three topics of interest sorted by preference.
- ▶ Assigned topics will be discussed at the end of November 19th's session
- ▶ Presentations: from 03rd of December to end of January
- ▶ 4th of February: write-up deadline
- ▶ 11th: wrap-up meeting.

# Topics

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- ▶ Semantics of imperative programming languages
- ▶ Algorithmic problems in the field of verification
- ▶ Operationalization of formal specification techniques
- ▶ SMT (Satisfiability Modulo Theories) solving and decision procedures

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→ [some articles](#)

Questions ?

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**Next meeting:** November 19th, Guest lecture: **Trace Aware Random Testing of Distributed Systems** by Burcu Özkan