



TECHNISCHE
UNIVERSITÄT
DARMSTADT

Software Engineering Kick-Off

WS 2026 / 2027

Prof. Mira Mezini
Dr. Tobias Reinhard
Fabian Meerkötter



What is the SEP?

Website: stg-tud.github.io/sep



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- Practical, team-based software project
- Collaboration with external companies



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Goals

- Gain practical, real-world experience
- Learn & apply:
 - Teamwork
 - Project management
 - Agile development

Why SEP instead of TPSE?

- Work with a company
 - ⇒ **Real-world impact**
 - ⇒ **Industry experience** (different from academia)
- Bigger challenge => bigger reward
 - more CP: ~~9 CP~~ **12 CP**
 - more hands-on experience
 - closer supervision

During the Semester...

Software Project

- Client centric work
- Midterm presentation
- Final presentation
- Final submission of code

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Project Report

Document work process, quality assurance, etc.

Poster

During the Semester...

Lectures & Supervision

- “Teamprojekt Softwareentwicklung” lecture
- Team-specific coaching by *Startups From Science*
- Team mentoring

Grading

10 %

Midterm presentation

20 %

Project report

20 %

Final presentation

10 %

Poster &
Participation in team trainings

40 %

Final code submission
(Graded by client)

Next Steps

1. Registration form on SEP website

- Opens after kick-off, closes Fr 16.10., 16:00
- Register alone or as team
- Limited capacity
 - ⇒ Priority: elective > TPSE replacement

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2. Mo 19.10. Project Assignment

- Acceptance / rejection notification
- TPSE-replacement & not accepted
 - ⇒ TPSE topic (requires TPSE registration)

Q&A

All info on website

stg-tud.github.io/sep



Questions?

Agenda

Intro

Startups From Science

Telespazio

Paratoi - Python-Based Flight Control Procedures for
Mission Control Systems

Breakout Rooms
Informal Discussions