Chair for Open Distributed Systems

- At department of Telecommunication Systems of TU Berlin
  https://www.ods.tu-berlin.de/menue/fachgebiet_open_distributed_systems/
- Prof. Dr. Manfred Hauswirth
  https://www.ods.tu-berlin.de/menue/fachgebiet_open_distributed_systems/ueber_uns/professor/

- **Secretary:**
  https://www.ods.tu-berlin.de/menue/fachgebiet_open_distributed_systems/ueber_uns/administrative_assistenz_assistance_office_chair/

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„Our“ Modules

Number	Module Title	LP/ECTS	Module Description
40240	Advanced Web Technologies	12	https://moseskonto.tu-berlin.de/moses/modultransfersystem/bolognamodule/beschreibung/anzeigen.html?number=40240&version=5&sprache=2
40253	Projekt Advanced Web Technologies	9	https://moseskonto.tu-berlin.de/moses/modultransfersystem/bolognamodule/beschreibung/anzeigen.html?number=40253&version=5&sprache=1

Module „Advanced Web Technologies“

- Module No “40240”
- 12 Credit points (LP/ECTS)

Course Name	Type	Number	Cycle	Language	LP/ECTS
Advanced Web Technologies	PJ	0432 L 753	WS/SS	English	9
Advanced Web Technologies	VL	0432 L 752	WS	English	3

👉 https://moseskonto.tu-berlin.de/moses/modultransfersystem/bolognamodule/beschreibung/anzeigen.html?number=40240&version=5&sprache=2

Module „Projekt Advanced Web Technologies“

- Module No “40253”
- 9 Credit points (LP/ECTS)

Course Name	Type	Number	Cycle	Language	LP/ETSC
Advanced Web Technologies II	PJ	3433 L 10563	WS/SS	English	9

👉 https://moseskonto.tu-berlin.de/moses/modultransfersystem/bolognamodule/beschreibung/anzeigen.html?number=40253&version=5&sprache=1

ISIS Courses

- Advanced Web Technologies Project (PJ) → https://isis.tu-berlin.de/course/view.php?id=28989
- ~~Advanced Web Technologies Lecture (VL) → https://isis.tu-berlin.de/course/view.php?id=25733~~ (Only in WS)

Please check the ISIS pages periodically!! We will use ISIS to share all documents/slides and for announcements. Feel free also to use the ISIS Forum.

Module enrollment

All students need to enroll

- via MOSES
  - Or „Digitaler Prüfungsanmeldebogen“ / “Digital exam registration sheet” for external students
- For each module!
- By deadline → See ISIS

Without enrollment (before deadline), the course cannot be credited!

In order to take the final test, students need to enrol in MOSES or via registration sheet by the given deadline (tbd). Otherwise, results cannot be credited. We will keep you posted about the deadline in this ISIS course. Until then, we want to ask you to kindly not sending us emails or ISIS messages for the test enrolment.

Goal of the Project

- In this module you will work in a group (of max 3 students) on a project.
- A software component shall be
  - specified,
  - implemented (develop code!),
  - tested, and
  - documented.
- The topics vary from semester to semester and can be selected from the following subject areas:
  - Media Streaming and Playback
  - Web and Networks
  - Data Science, Image and Video Processing
- All these topics are addressed in the AWT lecture

Online Course via Zoom

- As in winter term, this semester will be online (via Zoom)
  - No physical meetings or events with physical presence
  - You need proper equipment! (Video communication, development/ working from home, etc.…)

- Zoom instructions: https://isis.tu-berlin.de/mod/page/view.php?id=1314837
- Work in groups of 2-3 students
  - groups need to organize themselves (communicate, collaborate, etc.)
- In course of the semester, you need to submit
  - 3 presentations
  - 1 code package
  - 1 project report (IEEE)

Achievements & Grading

3 major assessments:
- 3 presentations (each brings up to 10 assessment points)
- 1 documentation (30 assessment points)
- 1 project sources/ source codes (40 assessment points)
Max: 100 Assessment points

1.0	1.3	1.7	2.0	2.3	2.7	3.0	3.3	3.7	4.0
95.0	90.0	85.0	80.0	75.0	70.0	65.0	60.0	55.0	50.0

Schedule

No.#	Date	Location	Description	Notes
1	19.4.2022	ONLINE	Introduction	•Course introduction •Administrative topics •Project topic overview •Selection & registration of groups
	22.04.2022	**DEADLINE**	Every student should have an assigned group (including team members), topic and supervisor (Group selection open until 20.04.2022 EOB)	Groups are set up, topics and supervisors assigned
2	26.04.2021	ONLINE	**Onboarding**	Each group should know what to do
	tbd	**DEADLINE**	**Deadline for module enrolment**	
3	17.05.2022	ONLINE	**Workshop 1:** Presentation of project topic, possible solutions and roadmap	Upload slides/recordings until 10.05.2022 EOB
4	14.06.2022	ONLINE	**Workshop 2:** Report on project progress	Upload slides/recordings until 7.06.2022 EOB
5	19.07.2022	ONLINE	**Workshop 3:** Final presentation of project solution	Upload slides/recordings until 12.07.2022 EOB
	31.07.2022	**DEADLINE**	**Deadline for submitting final report and source code**	**instructions will be provided**

Presentations

- Present your project in **10min (MAX!) per group**
- **First Presentation**:
  - Problem Statement
  - Paper Review
  - Schedule
  - Next Steps
- **Intermediate Presentation**
  - Wrap-Up: Problem Statement
  - Details and Preliminary Results
  - (First Demo)
  - Updated Schedule/ next Steps
- **Final Presentation**
  - Wrap-Up: Problem Statement
  - Final Results & Realization Details
  - Final Demo

- Record your presentation: e.g. in MS PowerPoint: https://youtu.be/k0fEZBZjwZM
  - Use Micro and WebCam (we'd love to see you)
  - Provide a transcript (notes)
- Record your Demo (Screen)
  - https://praxisblog.zewk.tu-berlin.de/wiki/doku.php?id=medien:screencasts
- Details for submission
  - A file drop link and instructions will be shared prior to each presentation date.
  - Your supervisor will invite you to a Q&A session

* Deviations from this definition must be appoved by the supervisor!

Documentation and delivery of project files

- Documentation
  - IEEE Conference Format (Double-Column) https://www.ieee.org/conferences_events/conferences/publishing/templates.html
  - **5-7 DIN A4 pages**
  - Scientific English (or Deutsch)
  - Traditional paper structure: E.g.
    1. Abstract
    2. Introduction
    3. Related Work
    4. Your Approach
    5. Evaluation/ Discussion
    6. Conclusion
    7. References
- Well-documented project files
  - E.g. source code and compiled project
  - Use GitHub https://github.com/ (preferred)
  - or TUB GitLab: https://gitlab.tubit.tu-berlin.de/

* Deviations from this definition must be appoved by the supervisor!

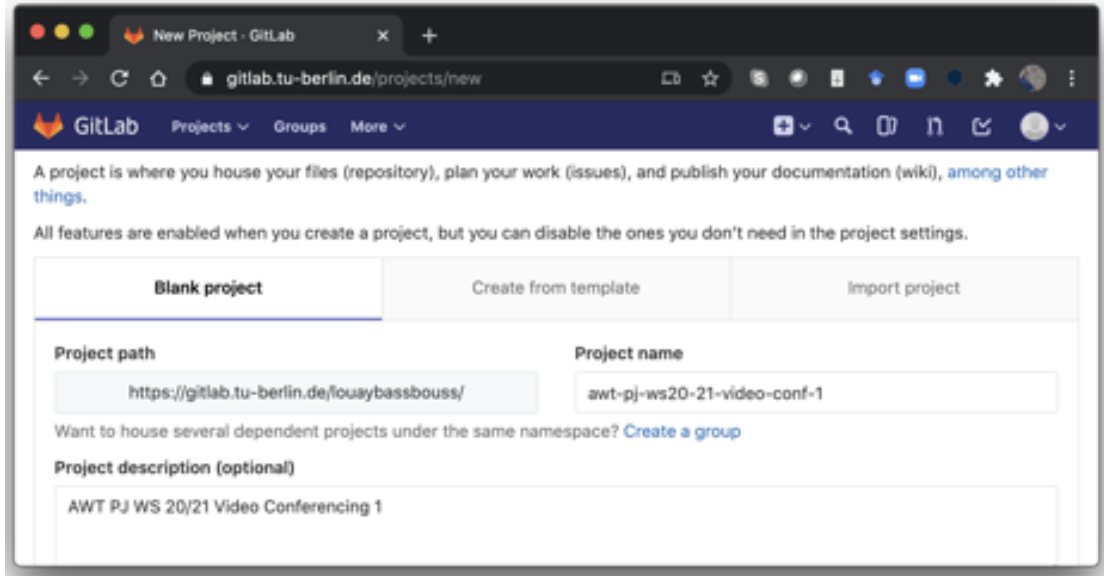
Create Git project and invite group members

- One group member creates a project and invites the other members in the group. Also invite louaybassbouss (TU GitLab or GitHub)!!

- Use as project name: awt-pj-ss22-{group-name} e.g. awt-pj-ss22-metaverse-1
- Enter appropriate project description

- Recommendation: create folders for source code (e.g. src), presentations and report

- Each project must have a README.md in the source code folder. The README must include documentations necessary to setup and run the project. Keep the README up-to-date during the project runtime.



Summary TODOs / checklist

1. Join ISIS course: https://isis.tu-berlin.de/course/view.php?id=28989
2. Join a group: https://isis.tu-berlin.de/mod/choicegroup/view.php?id=1337472
3. Group selection open until Wednesday, 20 April 2022, 11:59 PM
4. Attend all workshops listed in Course Schedule
5. Enroll module (check deadline ISIS page)
6. Submit results in time and as requested
7. Follow supervisor's lead...

Available project topics in SS 2022

→ For more details, please check ISIS: https://isis.tu-berlin.de/mod/page/view.php?id=1333891

Topics Introduction (ISIS)

https://isis.tu-berlin.de/mod/page/view.php?id=1333891