

saarland-informatics-campus.de

Courses SS2024

Telecommunications Lab

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UNIVERSITÄT
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SIC Saarland Informatics
Campus



Internet Transport

- Core- / Advanced Lecture 9CP (4L2T)
 - Tuesdays 10:15–11:45, Wednesdays 10:15–11:45, **Start April 16th**
 - Lectures & Tutorials: **E1 3 HS002**
 - Assignments & Quizzes: **UdS-Moodle** (100% paperless)
- All major components of Internet Transport
 - From MAC- to Application-Layer, Focus on Latency- and Resilience-Awareness
 - Congestion- & Flow Control, Adaptive Hybrid-ARQ, Deep Learning for Error Coding
- ...and the underlying mathematical foundations
 - Markov-Chains, Gilbert-Elliot Erasure Channel Models, MDS- and LDPC-Coding, Residual Error Rate and Delay-Budget Calculation
- **Registration mandatory via Moodle:**
<https://lms.sulb.uni-saarland.de/moodle/enrol/index.php?id=9347>
 - You should also join the MS-Teams Team for discussions!
 - Information is also on the Computer Science CMS!



Volumetric Imaging & Video: From Pixels to Froxels

- Seminar / Proseminar 7/5CP (2S)
 - Kick-Off-Meeting **April 23rd, 14:15**, C6 3 9.05
 - Initial Presentation June 4th, 14:15, C6 3 9.05
 - Course Announcements and Material: **UdS-Moodle** (100% paperless)
- Volumetric Imaging & Video: From Pixels to Froxels
 - Representation of (captured) visual content: MVD, Point Clouds, Neural Radiance Fields, Neural Surfaces, Voxels, Froxels
 - Focus will be on “image-based representation and rendering” rather than on CGI, but we’ll look at new ideas to lift images to the volumetric domain.
 - You will read & present a scientific paper, but also review 1–2 further ones.
- **Registration mandatory:**
 - **Seminars at SIC:** <https://seminars.cs.uni-saarland.de/> (until Wednesday 17th!!!)
 - **Moodle:** <https://lms.sulb.uni-saarland.de/moodle/enrol/index.php?id=9617>
 - Moodle only when assigned a slot via Seminars at SIC!