

2022 Lecture Week 1, May 8-13 **Timetable**

| | 8 (Sun) | 9 (Mon) | 10 (Tue) | 11 (Wed) | 12 (Thu) | 13 (Fri) | |
|--------|--------------------------------------|---|--|--|---|--|--|
| 9:00- | | IMPRS-Exp.1: GWs and their effect K. Danzmann | IMPRS-Exp.2: Modulation and Sidebands B. Willke | IMPRS-Exp.3: Interferometer as GW transducer B. Willke | IMPRS-Exp.4: Optical Resonators G. Heinzl | IMPRS-Exp.5: Power Recycling, Arm Cavities, Signal Recycling H. Lück | |
| 10:30- | Coffee Break | | | | | | |
| 11:00- | | IMPRS-Rel.1: Special Relativity Reminder M. Otto | IMPRS-Rel.2: Tensor Analysis in Special Relativity I M. Otto | IMPRS-Rel.3: Tensor Analysis in Special Relativity II M. Otto | IMPRS-Rel.4: Curved Spacetime I J. Steinhoff | IMPRS-Rel.4: Curved Spacetime II J. Steinhoff | |
| | | ZARM 1: Gravitational lensing and BH shadow V. Perlick | ZARM 2: Modified Gravity - Metric Affine, Teleparallel and Finsler Gravity C. Pfeifer | ZARM 3: Equations of motion in GR E. Hackmann | ZARM 4: A toolkit for research at the interface of Quantum Optics and GR D. Raetzl | ZARM 5: The SI unit system C. Lämmerzahl | |
| 12:30- | Lunch Time | | | | | | |
| 14:00- | | QF/TerraQ Exp.1: Atomic spectroscopy E. Peik | QF/TerraQ Geo.1: Introduction to Geodesy J. Müller | QF/TerraQ Geo.2: Satellite Gravimetry T. Mayer-Gürr | QF/TerraQ Exp.2: Clocks and comparison of clocks C. Lisdat | Departure and Excursion to ZARM Bremen | |
| 15:30- | Coffee Break | | | | | | |
| 16:00- | Team-building practice – Shuttle Bus | Q&A, Students and Postdocs Presentation(*) | | | | | |
| 18:00- | Arrival | Break | | | | | |
| 19:00- | Dinner Break and social hours | | | | | | |

(*) All participants should make an Elevator Pitch during the presentation hours. One person has 3 minutes of time to talk about their research topics in a way understandable for audience with various scientific backgrounds. We will keep the time and inform you when the 3 minutes is over.