# 2018 Lecture Week 1,March 11-16
# Lecture List

| | Mon. | Tue. | Wed. | Thu. | Fri. |
|---|---|---|---|---|---|
| 9:00 – 10:30 | Exp.:3 Gravity sensing with cold atoms - Concepts, visions, & very long baselines **D. Schlippert** | Exp.1: Laser Interferometr Ⅰ -Ifo and DC Readout **B.Willke** | Rel.1: Special Relativity Reminder **J.Steinhoff** | Rel.3: Tensor Analysis in Special Relativity Ⅱ **J.Steinhoff** | Rel.5: Curved Spacetimes Ⅱ **J.Steinhoff** |
| 11:00 – 12:30 | Exp.:4 Overcoming uncertainties in Atom Gravimetry **W. Herr** | DA&St.2: Hypothesis testing **T.Dent/ F.Ohme** | Rel.2: Tensor Analysis in Special Relativity Ⅰ **J.Steinhoff** | Exp.2: Laser interferometry Ⅱ - Optical Resonators **H.Lück** | Bonus 1(Exp.): Ifo Noise Sources **H.Lück** |
| 14:00 – 15:30 | DA&St.1: Probability theory as extended logic **T.Dent/ F.Ohme** | DA&St.3: Parameter estimation **T.Dent/ F.Ohme** | DA&St.4: Discrete signal processing and looking at data **T.Dent/ F.Ohme** | Rel.4: Curved Spacetimes Ⅰ **J.Steinhoff** | Bonus 2(DA): Introduction to binary merger signals, GW150914 **T.Dent/ F.Ohme** |
| 16:00 – 17:30 | | Geo.1: Gravimetry: instruments and techniques. -noise, metrological issues, environmental effects **M.Camp** | Geo.2: Geophysical applications: hydrogeology, tecotnics, vulcanology, glacial isostatic adjustment **M.Camp** | | |