Lecture List LW 1

April 18 -22 2017, Berlin

Topics	Title	Lecturer
Geodesy	Geo.1: Geodynamics – Geokinematics	A. Shabanloui
	Geo.2: Concepts of GNSS and atmospheric modelling	S. Schön
	Geo.3: Earth observation using space geodetic techniques	J. Müller
	Geo.4: Monitoring of Mass Re-Distribution in the Earth's System with Space Gravimetric Methods	H. Dobslaw
	Geo.5: Gravity field recovery from space: hl-SST, ll-SST and SLR	M. Weigelt
Relativity	Rel.1: Special Relativity Reminder	A. Nielsen
	Rel.2: Tensor Analysis in Special Relativity Ⅰ	
	Rel.3: Tensor Analysis in Special Relativity Ⅱ	
	Rel.4: Curved Spacetimes Ⅰ	
	Rel.5: Curved Spacetimes Ⅱ	
DA /Statistics	DA&St.1: Probability theory as extended logic	R. Prix
	DA&St.2: Introduction to binary merger signals, GW150914	T. Dent
	DA&St.3: Hypothesis testing	R. Prix
	DA&St.4: Parameter estimation	R. Prix
	DA&St.5: Discrete signal processing and looking at data	T. Dent
	DA&St.6: Application of techniques to GW151226	I. Harry
	DA&St.7: Data analysis in the real world	I. Harry

* Grayed out lectures indicate IMPRS lectures