

## Lecture series “Modelling and Reality”

SS 2017

Learning outcome:

Getting to know the basics of modelling from the viewpoint of the various fields of study

Date	Title	Speaker
Mo, 06.03.17 04.15 pm – 07.00 pm	Verification & validation needs and approaches, with examples from fusion research and plasma physics	Kendl Alexander
Mo, 20.03.17 04.15 pm – 07.00 pm	Neural networks - applications and comparisons of real and mathematical neural networks	Haltmeier Markus
Mo, 03.04.17 04.15 pm – 07.00 pm	Modelling of molecular dynamics	Liedl Klaus
Mo, 14.04.17 04.15 pm – 07.00 pm	Modelling and reality - the physical / chemical viewpoint	Probst Michael
Mo, 08.05.17 04.15 pm – 07.00 pm	Elephant and Ant. The organization of computational science	External Speaker Lenhard Johannes Universität Bielefeld
Mo, 22.05.17 04.15 pm – 07.00 pm	Chance, ignorance and probability	Oberguggenberger Michael
Mo, 12.06.17 04.15 pm – 07.00 pm	Multi-scale modelling of solids - scales, scale transitions and validation	Lackner Roman
Mo, 19.06.17 04.15 pm – 07.00 pm	tba	Harders Matthias
Mo, 26.06.17 04.15 pm – 07.00 pm	Concluding session: short summary presentations of the participating students	