

Program Workshop 2014

Thursday October 16th

09:50 *Welcome*

Project reports

10:00 S. Meyer: **Reverse modelling of geological structures using synthetic and field examples**

10:35 B. Schmidt: **Design, implementation and evaluation of a new approach for somatic variation calling from short read data**

11:10 C. Hundt: **Detection and visualization of key structures in complex meteorological flows**

12:00 *Lunch*

13:15 Election of the executive committee

13:30 P. Spichtinger: **Structure formation in clouds**

14:05 H. Rybka: **Superparameterised convection in a climate model**

14:40 *Coffee break*

15:10 A. Kesser: **Coarse-grained simulations of membranes interacting with amyloid fibril forming peptides**

15:45 M. Peternell / D. Hammes: **3D rock-microstructure modelling by the use of an automated fabric analyser**

16:20 *Coffee break*

Introductory talks

16:45 M. Andrade: **Applications of data and text mining to the study of protein interaction networks**

17:30 M. Wand: **3D shape analysis based on correspondences and symmetry**

18:15 *Dinner*

19:15 B. Schmidt / A. Brinkmann: **Presentation of the new fundings by the Wissenschaftsrat- and Carl-Zeiss-Stiftung**

Friday October 17th

Project proposals

09:00 S. Kramer: **TCGA data mining**

09:30 J. Wicker: **Data mining for indoor and outdoor atmospheric chemistry**

10:00 H. Tost: **Comprehensive earth system modelling for a Permian Earth**

10:30 *Coffee break*

11:00 J. Werner: **Evolution of endothermy**

11:30 R. Schulze: **Automated detection of unwanted patient motion in dental cone beam CT (CBCT)**

12:00 A. Hildebrandt: **Graph grammars for molecular substructure search**

12:30 *Lunch*

13:30 Meeting of the executive committee