Program

Sunday, 12 January 2020

16:00 – 20:00	Registration	
from 18:00	*BUFFET SUPPER / Informal get together*	
20:00 – 21:00	Dieter Kranzlmüller	**Are we ready for the next level of Big Data?**

Monday, 13 January 2020

08:00 – 08:50	*BREAKFAST*	
08:50 – 09:00	Andreas Haungs Karl Mannheim Matthias Steinmetz	**Welcome and Organization**
09:00 – 09:45	Alex Szalay	**Lessons from the Sloan Digital Sky Survey**
09:45 – 10:30	Martin Kümmel	**Data pipelines for Euclid**
10:30 – 11:00	*COFFEE BREAK*	
11:00 – 11:45	Frossie Economou	**How Big Data missions like LSST drive new models of how we build our systems - and our teams**
11:45 – 12:30	Michiel van Haarlem	**Science Data Centres for Radio Astronomy: from LOFAR to SKA**
12:30 – 12:40	**Conference Photo** (in front of the Lecture Hall)	
12:40	*LUNCH*	

Program

Monday, 13 January 2020

14:00 – 14:45	Stefan Schlenstedt	**The Cherenkov Telescope Array Data Management Model**
14:45 – 15:30	Kay Graf	**Handling of Neutrino Telescope Data**
15:30 – 16:00	*COFFEE BREAK*	
16:00 – 16:45	Volker Gülzow	**Computing Challenges for the HL-LHC**
16:45 – 17:30	Steffen Hauf	**Data Challenges at the European XFEL – 1B/s to 10GB/s**
17:30 – 18:30	**General discussion**	
18:30 – 18:45	Stefan Jorda	**About the Wilhelm and Else Heraeus Foundation**
19:00	*DINNER*	

Program

Tuesday, 14 January 2020

08:00		*BREAKFAST*
09:00 – 09:45	Stefan Hachinger Luigi Iapichino	**Withnessing the Convergence of HPC and Data Analytics from a Supercomputing Centre Perspective**
09:45 – 10:30	Susanne Pfalzner	**Knowledge Gain in the Age of HPC and Big Data**
10:30 – 11:00		*COFFEE BREAK*
11:00 – 11:45	Achim Streit	**Enabling Data-Intensive Computing & the EOSC**
11:45 – 12:30	Hermann Kohlstedt	**Bio-inspired Information Processing: The Future of Artificial Intelligence?**
12:30		*LUNCH*
14:00 – 14:45	Ingolf Wittmann	**IT infrastucture of the futute – Envision the future of Computing !**
14:45 – 15:30	**Poster-Flash**	
15:30 – 16:00	*COFFEE BREAK*	
16:00 – 18:00	**Poster Session**	
19:00	*HERAEUS DINNER at the Physikzentrum (cold & warm buffet, with complimentary drinks)*	

Program

08:00	*BREAKFAST*	
09:00 – 09:45	Kai Polsterer	**Accessing complex structures with unsupervised and deep-learning techniques**
09:45 – 10:30	Stefanie Walch-Gassner	**Simulating has dynamics in galaxies: a 3D view of star formation and feedback**
10:30 – 11:00	*COFFEE BREAK*	
11:00 – 11:45	Johannes Schemmel	**Brain Inspired Computing**
11:45 – 12:30	**Poster Prize**	
12:30	*LUNCH*	
14:00 – 14:45	Martin Brennecke	**The Machine & Memory-Driven Computing**
14:45 – 15:30	Hermann Heßling	**Memory-based computing for astronomical applications**
15:30 – 16:00	*COFFEE BREAK*	
16:00 – 16:45	Katharina Morik	**Physics and machine learning**
16:45 – 17:30	Seminar conveners	**Summary**

End of Seminar / Departure