

Time	Title	Speaker
18:00	Welcome reception dinner at Seecasino FZ-Jülich	
08:30	Welcome and Agenda	Prof. Rainer Waser
08:35	Technical notes	Dr. Alexander Krüger
08:40	Neuro-inspirierte Technologien der künstlichen Intelligenz für die Elektronik der Zukunft: NEUROTEC	Prof. Rainer Waser
08:50	Zukunftscluster NeuroSys – Neuromorphe Hardware für autonome Systeme der künstlichen Intelligenz	Prof. Max Christian Lemme
09:00	Foundations and Future of Neuromorphic Systems for Artificial Intelligence	Prof. Klaus Mainzer
09:35	Microelectronics made in Germany	Christian Schulz
09:50	coffee break & poster session	see poster list
10:20	The quest for a more efficient and general artificial intelligence	Dr. Abu Sebastian
10:55	Neuromorphic Computing Nodes (Working title)	Prof. John Paul Strachan
11:15	Modelling of Switching Mechanisms (Working title)	Dr. Stephan Menzel
11:35	Engineered Metal-oxide/HfO ₂ RRAM devices for efficient neuromorphic computing	Dr. Valeria Bragaglia
12:10	lunch break & poster session	see poster list
13:10	An Introduction to Brain Inspired Computing	Dr. Johannes Schemmel
13:45	Hardware Algorithm Co-Design	Prof. Tobias Gemmeke
14:05	Memristors with Two-Dimensional and Layered Materials	Dr. Alwin Daus
14:25	Ferroelectric devices for neuromorphic and in-memory computing	Prof. Thomas Mikolajick
15:00	Memristors for Real-time Learning	Prof. Emre Neftci
15:20	coffee break & industry exhibition	see industry list
16:20	Potential for Value Chain and Jobs (working title)	Prof. Michael Heuken
16:35	AI's route from science to society	Dr. Arndt Reuning
17:35	Wrap up	Prof. Rainer Waser