

Future Computing Workshop 2026 - Program Day 1

16/03/2026		Program	Speaker	Affiliation	Title
10:30	10:35	Welcome	Michael Resch	HLRS	Welcome & Introduction
10:35	11:00	Welcome	Johannes Gebert	HLRS	The Role of the HPC Centre and the Community in Emerging Technologies
11:00	11:40	Monday Keynote	Elad Raz	NextSilicon	
11:40	12:10	1	Chris Mayr	SpiNNcloud	Neuromorphic Computing at Cloud-Level: Hardware and Use Cases
12:10	13:30	Lunch			
13:30	14:00	2	Jörg Roskowetz	AMD	
14:00	14:30	3	Franz-Josef Pfreundt and Jens Krüger	Fraunhofer ITWM	The STX Processor - Cost and Energy Efficient HPC
14:30	14:45	Break			
14:45	15:15	4	Erich Focht and Kei Kimoto	OpenChip and NEC	RISC-V Vector Computing: Exploring Open Architecture Approaches for Future HPC
15:15	15:45	5	Leighton Wilson	Cerebras	Cerebras Wafer-Scale Computing for HPC Applications
15:45	16:15	6	Amir Najafgholi	Q.ANT	Photonic Computing Across the Digital-Analog Boundary: Linear Transforms, Nonlinear Layers, and Continuous-Time Operations
16:15	16:45	Break			
16:45	17:05	7	Christoph Ferle	Bosch Ventures	
17:05	17:35	8	Etienne Renault	SiPearl	An Overview of the Maturity of SYCL Implementations and Backends for AArch64
17:35	18:05	9	Ulrich	IQM	IQM's Roadmap to fault tolerant Quantum Computing
18:30		Dinner			

Future Computing Workshop 2026 - Program Day 2

17/03/2026		Program	Speaker	Affiliation	Title
09:30	10:10	Tuesday Keynote	Chene Tradonsky	LightSolver	From Antikythera to the LPU: Physics-native Simulation
10:10	10:40	10	Hatem Ltaief	KAUST	Adaptive Mixed-Precision Algorithms for Next-Generation Scientific Simulations
10:40	10:55	Break			
10:55	11:10	Group Photo			
10:55	11:25	11	Pratik Nayak	TU München	Future-proof software architecture for linear algebra libraries.
11:25	11:55	12	Jan Frederik Engels	DKRZ	Computing the Full Earth System at 1km Resolution using Heterogeneous Hardware
11:55	12:25	13	Immo Huismann	DLR	Future Computing -- A perspective on current and future software requirements
12:25	13:45	Lunch			
13:45	14:15	14	Adrian Jackson	EPCC	Emerging computing platforms at EPCC
14:15	14:45	15	Josef Weidendorfer, Amir Raoofy	LRZ	The Future Computing Group at LRZ: Role, Scope and Challenges
14:45	15:15	16	Miriam Klopotek	HLRS	Basic physics insights from statistical mechanics towards future computing
15:15	15:45	Break			
15:45	16:15	17	Kevin Stroup	Sandia	NOVEL SYSTEMS - Beyond the Trees and Dragons
16:15	16:45	18	Ana Gonzalez-Nicolas	JSC	Performance Analysis of TSMP2 on Heterogeneous High-Performance Computing Architectures
16:45		Farewell			