Sun 7 July	Welcome Reception				
Mon 8 July	9:00- Session 1	Keynote (60 min)	Hideki	Sugimoto	Architecture Challenge for Future Automotive or Embedded Compute SoC
		Break			
		Mini-keynote (12 min)	Masaaki	Kondo	
		Mini-keynote (12 min)	Eric	Monchalin	Are next Generation Architectures suitable?
		Mini-keynote (12 min)	Andreas	Herkersdorf	Near Memory Accelerators for Efficient Inter-Tile Communication in Distributed-Shared-Memory Architectures
		Mini-keynote (12 min)	Gerd	Ascheid	Scalability Aspects of a Many-Core ASIP Platform targeted at Convolutional Neural Networks
		Mini-keynote (12 min)	Yoshifumi	Sakamoto	
		Panel			
	12:30- Lunch				
	14:00- Session 2	In-depth (30 min)	Arnaud	Grasset	A Look at Computer Architectures for Mission-Critical Embedded Systems
		In-depth (30 min)	Timothée	Levi	Biomimetic Spiking Neural Network and Neurohybrid systems for AI and biomedical
		In-depth (30 min)	K. Charles	Janac	
		Break			
		In-depth (30 min)	Atsushi	Hasegawa	
		In-depth (30 min)	Shuichi	Oikawa	GENESIS: AI Vision Processing Platform for Edge Computing
		In-depth (30 min)	Kiyoung	Choi	Algorithms and Architectures for Efficient Neural Processing
		Panel			
Tue 9 July	9:00- Session 3	Keynote (60 min)	Naim	Ben-Hamida	
		Break			
		Mini-keynote (12 min)	Marilyn	Wolf	
		Mini-keynote (12 min)	Shuichi	Yamane	Scalable ARM server for shared nothing DB
		Mini-keynote (12 min)	Masaki	Gondo	SHIM 2.0 - an update to the new way to describe hardware for software tools
		Mini-keynote (12 min)	Wei	Zhang	Hi-ClockFlow: Multi-Clock Dataflow Automation and Throughput Optimization in High-Level Synthesis
		Mini-keynote (12 min)	Frederic	Rousseau	Lockality: a Scalable Synchronization Lock for MPSoCs
		Panel			
	12:30- Lunch				
	14:00- Session 4	In-depth (30 min)	Sunghyun	Lee	Making difference in SoC with high performance memory subsystem IP
		In-depth (30 min)	Takashi	Miyamori	DNN-Accelerated Multi-core SoC for Automotive Applications
		In-depth (30 min)	Ran	Ginosar	RC64: Space-ready high performance, low power manycore
		Break			
		In-depth (30 min)	Ashkan	Seyedi	Recent advances on WDM Silicon Photonics Devices for HPC Applications
		In-depth (30 min)	Benoît	de Dinechin	
		In-depth (30 min)	Gerhard P.	Fettweis	A first step to building a 6G HW/SW platform
		Panel			
Wed 10 July	9:00- Session 5	Keynote (60 min)	Hiroyuki	Kitayama	Trend of advanced technologies such as AI, Blockchain, New Computing and applicability in the industry
		Break			
		Mini-keynote (12 min)	Victor	Grimblatt	An SoC for IoT Applied to Smart Agriculture
		Mini-keynote (12 min)	Jiang	Xu	BOSIM: A Comprehensive Electro-Optical Model for Silicon Photonic Switches
		Mini-keynote (12 min)	Yoshinori	Takeuchi	
		Mini-keynote (12 min)	Ittetsu	Taniguchi	Challenges for online optimization of drone path planning (Tentative)
		Mini-keynote (12 min)	Norbert	Wehn	Channel Coding for Tb/s Communications
		Panel			
	12:30- Lunch				
	14:00- Session 6	In-depth (30 min)	Koji	Inoue	
		In-depth (30 min)	Tamon	Sadasue	Scalable Logic Architecture for Accelerating Gradient Boosted Tree Learning
		Mini-keynote (12 min)	Kees	van Berkel	Exascale Computing for Radio Astronomy, Using Dataflow
		Mini-keynote (12 min)	Shinya	Takamaeda	
		Mini-keynote (12 min)	Jishen	Zhao	
		Panel			
	16:30- Speaker's Meeting				
Thu 11 July	9:00- Session 7	Keynote (60 min)	Masanao	Yamaoka	
		Break			
		Mini-keynote (12 min)	Pierre	Paulin	Scaling Deep Neural Network Accelerator Performance
		Mini-keynote (12 min)	Kees	Vissers	Versal: The new Xilinx Adaptive Compute Acceleration Platforms (ACAP) in 7nm
		Mini-keynote (12 min)	Masahiro	Murakami	
		Mini-keynote (12 min)	Youn-Long	Lin	SOC Design of a Neural Network for Real-Time Semantic Segmentation of 2Kx1K@60fps Video
		Mini-keynote (12 min)	Lorena	Anghel	On Dependability of Spiking Neural Networks
		Mini-keynote (12 min)	Song	Yao	
		Panel			
	12:30- Lunch				
	14:00- Session 8	In-depth (30 min)	Akihiko	Shinya	
		In-depth (30 min)	Yankin	Tanurhan	Evolving Vision and Deep Neural Network Processors for Emerging Applications in the Edge
		Break			
		Mini-keynote (12 min)	Gabriela	Nicolescu	
		Mini-keynote (12 min)	Fumio	Arakawa	
		Mini-keynote (12 min)	Tsuyoshi	Isshiki	CNN Training HW Architecture Design Using C2RTL SoC Synthesis/Verification Framework
		Mini-keynote (12 min)	Tohru	Ishihara	Near-Threshold Cache Architecture for Ultra-Low Energy Computing
		Mini-keynote (12 min)	Hiroyuki	Tomiyama	Static Scheduling of Parallel Tasks
		Mini-keynote (12 min)	Anca	Molnos	Towards embedding attack detection on IoT end-nodes
		Panel			
Fri 12 July	9:00- Session 9	In-depth (30 min)	Yuichi	Nakamura	Real Quantum Annealing, Architecture and Applications
		In-depth (30 min)	Yukoh	Matsumoto	Challenges on Designing Parallel Processing for realizing Real-Time Applications
		Break			
		Mini-keynote (12 min)	Masatoshi	Ishii	On-chip trainable spike-based neuromorphic core using phase change memory as synapse
		Mini-keynote (12 min)	Sungjoo	Yoo	Reinforcement learning-based optimization for solid state disks
		Mini-keynote (12 min)	Yuko	Hara-Azumi	Bio-Inspired Highly-Parallelized SAT solver on FPGA
		Mini-keynote (12 min)	Hiroki	Matsutani	An On-Device Learning Approach for Unsupervised Anomaly Detection
		Mini-keynote (12 min)	Frédéric	Pétrot	A Scalable Sharing Set Management Approach for Large Scale MPSoC
		Mini-keynote (12 min)	John	Goodacre	Reusable Arm computational chiplet with 128bit shared global address space access
		Panel			
	12:30- Lunch				