

IEEE AICAS 2023
Program at a Glance
Sunday, June 11, 2023
Grand Hyatt Hangzhou

MORNING	West Lake II	West Lake III	West Lake IV
8:30-10:00	Tutorial 1 Carbon Neutral Computing for Engineerable AI	Tutorial 2 Energy-Efficient Recurrent Neural Network Accelerator Design for Real-Time Inference	Tutorial 5 Analog Matrix Computing with Resistive Memory: Circuit Designs and Applications
10:00-10:30	BREAK		
10:30-12:00	Tutorial 1 Carbon Neutral Computing for Engineerable AI		Tutorial 3 Near-Sensor Analytics and Machine Learning for Long-Term Wearable Brain-Machine Interfaces
12:00-13:30	BREAK		
AFTERNOON	West Lake II	West Lake III	West Lake IV
13:30-15:00	Tutorial 1 Carbon Neutral Computing for Engineerable AI	Tutorial 4 In-memory computing for accelerating deep neural networks and neuro-vector-symbolic architectures	Tutorial 5 Analog Matrix Computing with Resistive Memory: Circuit Designs and Applications
15:00-17:00	Grand Challenges Contest		WiCAS & YPP Event
17:00-18:00	Welcome Reception		

Monday, June 12, 2023
Grand Hyatt Hangzhou

MORNING	West Lake II		West Lake III		West Lake IV	
8:30-8:45	Compute- in-Memory (A1L-1)	6048	Methodologies of Neuromorphic Design (A1L-2)	6030	Bio Applications (A1L-3)	6163
8:45-9:00		6065		6112		6085
9:00-9:15		6106		6079		6007
9:15-9:30		6061		6081		6021
9:30-9:45		6141		6157		6107
9:45-10:00	BREAK					
10:00-10:15	Opening Ceremony					
10:15-11:05	Keynote 1 - Prof. Moncef Gabbouj <i>The Super Neuron Model - A new generation of ANN-based Machine Learning and Applications</i>					
11:05-11:55	Keynote 2 - Prof. Giacomo Indiveri <i>Neuromorphic Intelligence: mixed signal analog/digital implementations of spiking neural networks for real-time signal processing</i>					
12:00-12:20	Group Photo, Lobby(1F)					
12:20-13:30	LUNCH, Grand Café (Buffet), Grand Hyatt					
AFTERNOON	West Lake II		West Lake III		West Lake IV	
13:30-13:45	Computing-in- Memory Circuits & Systems (A4L-1)	6121	Neuromorphic Circuits & Systems 1 (A4L-2)	6023	Visual Algorithms (A4L-3)	6045
13:45-14:00		6086		6147		6115
14:00-14:15		6118		6135		6114
14:15-14:30		6113		6151		6049
14:30-14:45		6143		6172		6111
14:45-16:00	Live Demos (A5P-4), West Lake II & III & IV Lobby					
16:00-16:15	BREAK					
16:15-16:30	Processing in Memory Techniques as AI Accelerators (A6L-1)	6202	Neuromorphic Circuits & Systems 2 (A6L-2)	6131	Visual Applications (A6L-3)	6095
16:30-16:45		6200		6174		6126
16:45-17:00		6201		6154		6101
17:00-17:15		6190		6020		6171
17:15-17:30		6189		6152		6003
18:30-20:30	BANQUET Grand Ballroom II(B2), Grand Hyatt					

Tuesday, June 13, 2023
Grand Hyatt Hangzhou

MORNING	West Lake II		West Lake III		West Lake IV	
8:30-8:45	Computer Arithmetic for ML (B1L-1)	6188	Emerging Neuromorphic Paradigms (B1L-2)	6039	Efficient Algorithms (B1L-3)	6145
8:45-9:00		6197		6070		6056
9:00-9:15		6195		6063		6072
9:15-9:30		6044		6130		6116
9:30-9:45		6002		6096		6068
9:45-10:00	BREAK					
10:00-10:50	Keynote 3 - Prof. Yuchao Yang <i>Integrated Memristor Networks for Higher-complexity Neuromorphic Computing</i>					
10:50-12:20	Industrial Session (T-head, Ali-Cloud, ARM, SynSense, PIMChip, KeySight)					
12:20-13:30	LUNCH, Grand Café (Buffet), Grand Hyatt					
AFTERNOON	West Lake II		West Lake III		West Lake IV	
13:30-13:45	Energy-efficient Circuits & Systems for AI-enabled Biomedical Sensors (B5L-1)	6199	Hardware Accelerator (B5L-2)	6034	Learning Algorithms (B5L-3)	6094
13:45-14:00		6176		6024		6059
14:00-14:15		6178		6013		6132
14:15-14:30		6179		6058		6014
14:30-14:45		6187		6136		6066
14:45-15:45	Poster Session (Tiny, Efficient and Engineerable Machine Learning)(B4P-4) and other posters (B4P-5), West Lake II & III & IV Lobby					
15:45-16:00	BREAK					
16:00-16:15	Devices, Circuits & Systems, Algorithms & Applications (B6L-1)	6082	Algorithm-Hardware Co-design (B6L-2)	6037	General Applications (B6L-3)	6177
16:15-16:30		6142		6137		6146
16:30-16:45		6193		6055		6125
16:45-17:00		6028		6074		6026
17:00-17:15		6109		6071		6167
17:15-18:00	Farewell Celebration, West Lake II & III & IV					

* Red color identifies special sessions