MULTICORE/MANY-CORE SYSTEMS-ON-CHIP

MCSoC-2026 · Program at a Glance

December 14–17, 2026 · Shanghai Jiao Tong University, Shanghai

TIME ZONE All times UTC+8 (Shanghai local time)

PAPER TALKS 15 min each 10 min talk + 5 min Q&A

FULL PROGRAM Scan for titles, authors & updates

TIME	ROOM A	ROOM B
MONDAY December 14, 2026		
13:00–13:05	O1 Kick-off Session	
13:05–14:05	K1 KEYNOTE 1 **Hai Jin** · Huazhong University of Science and Technology *A Unified Approach of Graph Computing* Chair: Tee Hui Teo (Singapore University of Technology and Design)	
14:10–15:10	A1 NeuroCore Summit I 14:10 #128 14:25 #180 14:40 #231 14:55 #240	B1 S-Session 14 I 14:10 #131 14:25 #148 14:40 #307 14:55 #216
15:10–16:10	A2 NeuroCore Summit II 15:10 #71 15:25 #139 15:40 #160 15:55 #272	B2 S-Session 14 II 15:10 #264 15:25 #332 15:40 #169 15:55 #168
16:10–16:20	Coffee/Tea Break	
16:20–17:20	A3 NeuroCore Summit III 16:20 #279 16:35 #82 16:50 #38 17:05 #164	B3 S-Session 25 16:20 #145 16:35 #300 16:50 #306 17:05 #309
17:20–18:20	A4 NeuroCore Summit IV 17:20 #92 17:35 #99 17:50 #68 18:05 #119	B4 S-Session 18 17:20 #149 17:35 #150 17:50 #151 18:05 #152
TUESDAY December 15, 2026		
09:00–09:20	O2 Opening Session	
09:20–10:20	K2 KEYNOTE 2 **Mingle Sun** · Beijing SemiDrive Semiconductor Technology Co., Ltd. *Next-Generation AI SoCs for Automotive Applications and Embodied Intelligence: Meeting High-Performance, Multi-Task and Real-Time Requirements* Chair: Yongfu Li (Shanghai Jiao Tong University)	
10:20–10:40	Coffee/Tea Break	
10:40–12:10	A5 AI Acceleration I 10:40 #87 10:55 #162 11:10 #123 11:25 #171 11:40 #313	B5 S-Session 1 · POAT 10:40 #81 10:55 #172 11:10 #220 11:25 #282 11:40 #294 11:55 #297
12:10–13:30	Lunch	
13:30–14:30	K3 KEYNOTE 3 **Yan Xie** · Li Auto *The Next Frontier of AI Inference: Why Dataflow is the Future of Intelligent Vehicles* Chair: Xinfei Guo (Shanghai Jiao Tong University)	
14:40–15:40	A6 Architectural Innovations I 14:40 #114 14:55 #113 15:10 #167 15:25 #315	B6 Design Automation & Low Power 14:40 #198 14:55 #177 15:10 #268 15:25 #239
15:40–16:00	Coffee/Tea Break	
16:00–17:00	A7 Architectural Innovations II 16:00 #158 16:15 #285 16:30 #211 16:45 #224	B7 Cyber-Physical & Autonomous II 16:00 #159 16:15 #274 16:30 #303 16:45 #86
17:00–18:15	A8 AI Acceleration II 17:00 #98 17:15 #108 17:30 #112 17:45 #202	B8 Application Domains 17:00 #210 17:15 #325 17:30 #280 17:45 #331 18:00 #322
WEDNESDAY December 16, 2026		
09:00–10:00	K4 KEYNOTE 4 **Mohamad Sawan** · Westlake University *Brain-inspired SoC for Brain-Computer Interfaces and Embodied AI Applications* Chair: Zhishang Wang (The University of Aizu)	
10:00–10:15	Coffee/Tea Break	
10:15–11:15	A9 Design Methodologies II 10:15 #135 10:30 #121 10:45 #225 11:00 #133	B9 S-Session 24 I 10:15 #48 10:30 #259 10:45 #260 11:00 #84
11:15–12:30	A10 AI & Neuromorphic Edge Systems 11:15 #219 11:30 #261 11:45 #299 12:00 #104 12:15 #176	B10 S-Session 24 II 11:15 #47 11:30 #316 11:45 #251 12:00 #277
12:30–13:30	Lunch	
13:30–14:30	A11 Testing, Security & Trust I 13:30 #163 13:45 #51 14:00 #288 14:15 #320	B11 Real-Time Systems 13:30 #110 13:45 #245 14:00 #302
14:30–15:30	A12 Testing, Security & Trust II 14:30 #222 14:45 #203 15:00 #319	B12 Cyber-Physical & Autonomous I 14:30 #308 14:45 #275 15:00 #129 15:15 #281
15:30–15:50	Coffee/Tea Break	
15:50–16:50	A13 S-Session 2 15:50 #122 16:05 #127 16:20 #165 16:35 #205	B13 EmbodiCore Summit 15:50 #290 16:05 #247 16:20 #266 16:35 #298
18:30–21:30	Dinner / Banquet	
THURSDAY December 17, 2026		
09:00–10:00	A14 Testing, Security & Trust III 09:00 #311 09:15 #116 09:30 #120 09:45 #321	B14 ML for Reliable Manycore 09:00 #255 09:15 #276 09:30 #301 09:45 #286
10:00–10:20	Coffee/Tea Break	
10:20–11:20	A15 AI Acceleration III 10:20 #317 10:35 #212 10:50 #289 11:05 #305	B15 On-Chip Interconnects 10:20 #296 10:35 #312 10:50 #291 11:05 #324
11:20–12:20	A16 Design Methodologies I 11:20 #117 11:35 #217 11:50 #314 12:05 #254	B16 AI Acceleration IV 11:20 #124 11:35 #318 11:50 #213 12:05 #157
12:20–12:40	C Closing Session	

Keynote · Opening / Closing · Coffee / Tea · Lunch / Banquet

#128 paper number, with start time · **click a number** to open its title, authors & abstract mcsoc-forum.org

CO-LOCATED SUMMITS

NeuroCore **NeuroCore Summit** Mon · Room A · 14:10–18:20

EmbodiCore **EmbodiCore Summit** Wed · Room B · 15:50–16:50