**Keynote:** The First-Order Logic of Signals
Alexey Bakhirkin, Thomas Ferrere, Thomas A Henzinger, Dejan Nickovic

**EM2C.3** - Work-in-Progress: Lightweight Deadlock Detection Technique for Embedded Systems via OS-level Analysis
Youngho Choi, Jaeook Kwon, Seokjae Jeong, Hansub Park, Young Ik Eom

**EM2C.4** - Work-in-Progress: Introspection of the Linux-based Embedded Firmwares
Pavel Dovgalyuk, Natalia Fursova, Ivan Vasiliev, Vladimir Makarov

Wei Jiang, Haibo Hu, Jinyu Zhan, Ke Jiang

Jae-Yun Kim, Hyeon-Jae Lee, Soo-Mook Moon

**EM4C.3** - Work-in-Progress: Design Concept of a Lightweight Runtime Environment for Robot Software Components onto Embedded Devices
Hideki Takase, Tomoya Mori, Kazuyoshi Takagi, Naofumi Takagi

**EM4C.4** - Work-in-Progress: Hierarchical Control of a Catoptric Surface
Roger D Chamberlain, Chandler Ahrens, Christopher Gill, Scott A Mitchell

**EM4C.5** - Work-in-Progress: Road Context-aware Intrusion Detection System for Autonomous Cars
Tanya Srivastava, Pryanshu Arora, Chundong Wang, Sudipta Chattopadhyay

Nilotpal Chakraborty, Arijit Mondal, Samrat Mondal

**EM7D.6** - PAPER TITLE - Special Session: Embedded Software for Robotics: Challenges and Future Directions
Houssam Abbas, Indranil Saha, Yasser Shoukry, Rüdiger Ehlers, Georgios Fainekos, Rajesh Gupta, Rupak Majumdar, Dogan Ulus

Bo Wan, Bo Zhang, Xi Li, Kaiqi Zhou, Caixu Zhao, Chao Wang, Xuehai Zhou

**EM8C.4** - Work-in-Progress: NVIDIA GPU Scheduling details in Virtualized environments
Nicola Capodieci, Roberto Cavicchioli, Marko Bertogna
**EM8C.5** - Work-in-Progress: Communication-Centric Analysis of Complex Embedded Computing Systems
Uraz Odyurt, Hugo Meyer, Simon Polstra, Evangelos Paradas, Ignacio Gonzalez Alonso, Andy D. Pimentel

Václav Struhár, Alessandro Vittorio Papadopoulos, Moris Behnam

**IoT5D.5** - Work-in-Progress: VerticalThings - A Language-based Microkernel for Constrained IoT Devices
Jayaraj Poroor

**IoT6D.6** - PAPER TITLE - Special Session: The Future of IoT Security
Sibin Mohan, Mikael Asplund, Gedare Bloom, Ahmad-Reza Sadeghi, Ahmad Ibrahim, Negin Salajageh, Paul Griffioen, Bruno Sinopoli