



2010 NASA/ESA Conference on Adaptive Hardware and Systems

Anaheim Convention Center, 15-18 June 2010, Anaheim, California, USA

Call for Participation

Facing challenges with performance and reliability issues in extreme environments? Want to know the latest in adaptive software/hardware system development and applications? Then, we would be delighted to welcome you at the 2010 NASA/ESA Conference on Adaptive Hardware and Systems (AHS), co-located with DAC, June 15-18, 2010.

Early registration deadline is on or before May 17, 2010.

AHS 2010 Registration information can be found at:

<http://www.see.ed.ac.uk/ahs2010/Registration.htm>

AHS 2010 offers a great program (http://www.see.ed.ac.uk/ahs2010/AHS2010_Programme_Preliminary.pdf) this year, with the following highlights:

- A tutorial day on 15 June with contributions from NASA JPL, Synopsys, ARM, Mimasac, Sirf Technologies/CSR, Seoul National University, University of Minnesota, Rice University, University of New Mexico, University of Connecticut, and Politecnico di Torino. The tutorials will touch on a variety of hot topics including challenges facing space flight electronics e.g. FPGAs, adaptive low power design and verification, and hardware security.
- Invited keynote speeches from Barry Goldstein - Manager of Autonomous Systems Division, at the Jet Propulsion Laboratory, and Gianfranco Visentin - Head of Automation and Robotics Section, ESA/ESTEC
- Twelve exciting technical sessions including special sessions on: enabling advanced spacecraft capabilities through adaptive hardware architectures; adaptive, reconfigurable and self-aware computing; and adaptive techniques for security and trust in hardware; as well as session on: reconfigurable computing including multi-core architectures; adaptive image and data compression; and adaptive computing and run-time reconfiguration.
- A special panel titled "Design and Optimization of Adaptive Systems" on 18 June moderated by Dr. Adrian Stoica from JPL with contributions from NASA JPL, ESA, Raytheon, EPFL, the University of South Florida, and the University of Edinburgh.

We look forward to welcoming you at AHS 2010 in Anaheim!

General Chair

Tughrul Arslan, University of Edinburgh, UK

Vice General Chairs

David Merodio, European Space Agency (ESA), Netherlands

Didier Keymeulen, Jet Propulsion Laboratory (JPL), USA

Program Co-Chairs

Khaled Benkrid, University of Edinburgh, UK (Chair)

Ahmet T. Erdogan, University of Edinburgh, UK

Umeshkumar Patel, Goddard Space Flight Center, USA

Tetsuya Higuchi, National Institute of Advanced Industrial Science and Technology, Japan

Martin Suess, European Space Agency (ESA), Netherlands