

Real-time and Embedded System Forum October 19-22, New Orleans

Forum WG Chair Meeting to include Lunch Tuesday, October 19: 1100-1300

- 1100-1300 Planning Session for CY 05

Forum General Open Session Tuesday, October 19: 1330-1800 Glen Logan/Joe Bergmann

- 1330-1400 Introduction/Planning for CY 05, Glen Logan/Joe Bergmann
- 1400-1500 Commercial RT Requirements, Paul Chen, Wind River Systems
- 1500-1530 Certification Update, Joe Bergmann
- 1530-1600 Break
- 1600-1630 Joint Expeditionary Forces Experiment (JEFX) 06 -- Jahn Luke/Glen Logan
- 1630-1700 DARPA Grand Challenge, University of Louisiana at Lafayette -- Muralidar Chakravarthi
- 1700-1800 Pico Satellite Project, University of Louisiana at Lafayette --Shawn Gennuso

Safety Critical Applications Discussion Tuesday Evening, October 19: 1930 - 2030

- Safety Critical Environment and Object Oriented Technology (OOT) Discussion (CANCELLED)

Part I: High Assurance - Safety Critical Environment (HA-SC) Wednesday, October 20: 0830-1230 Michael McEvelly/MITRE

- 0830-0845 Intro – Current HA-SC Activities, Michael McEvelly, Mitre
- 0845-0930 ARINC 653 and POSIX Environments, Ben Calloni, Lockheed Martin
- 0930-1030 HA-SC RT Profile Standard Proposal, Ben Calloni et al.
- 1030-1100 Break
- 1100-1230 HA-SC RT Profile Standard Proposals/Discussion , GHS, WRS, LW
- 1230-1330 Lunch

Part II: High Assurance - Security for Real-time (HA-SRT) Wednesday, October 20: 1330-1800 Edwin Lee/Raytheon

- 1330-1400 Introduction, Edwin Lee, Raytheon
- 1400-1430 Separation Kernel Protection Profile (SKPP) Update, Michael McEvelly, Mitre
- 1430-1530 Vendor Updates (SKPP, PCS-PP) (GHS, WRS, LW, OIS, RTI)
- 1530-1600 Break
- 1600-1630 Web Services Security Update, Bill Beckwith, OIS
- 1630-1700 DARPA Workshop Out Brief, Michael McEvelly, Mitre
- 1700-1730 Going Forward, Group w/Edwin Lee

Architecture for Real-time Thursday, October 21: 0900 - 1800 Glen Logan/OSJTF

- 0900-0915 Architecture Overview, Glen Logan, OSJTF
- 0915-0945 SoS Architecture Modeling and Workshop Report, Dave Lounsbury/Glen Logan
- 0945-1030 Service Oriented Architecture for RT&ES, Edwin Lee, Raytheon
- 1030-1100 Break
- 1100-1145 Navy Open Architecture Policy and OACE Update, Dave Marlow, US Navy/NSWC
- 1145-1230 DoDAF 2.0 and Impact on RT&ES, Glen Logan
- 1230-1330 Lunch
- 1330-1530 Current Topics in Architectures, including:

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- ⊖ Object Management Group (OMG) Model Driven Architecture (MDA), Glen Logan
- ⊖ Application Program Interfaces (APIs) for JTRS Integration, Ray Harwood, Tucson Embedded Systems
- ⊖ Dynamic Resource Management, Dr Lonnie Welch, University of Ohio
- ⊖ RT Profile Test Suite Update, Joe Bergmann
- ⊖ Distributed Communications, Joe Schlesselman, Real Time Innovations
- 1530-1600 Break
- 1600-1630 Modular Open Systems Approach Interoperability (MOSAI) Business Model, Fred Kuhn, Boeing
- 1630-1700 Architecture Initiatives including Net-Centric Operations, Group w/Glen Logan
- 1700-1730 Going Forward including RT Characteristics/Guidelines, Group w/Glen Logan

Note: Architecture for RT and Safety/Mission Critical RT Java are Parallel Sessions on Thursday

Safety/Mission Critical RT Java
Thursday, October 21: 0900 - 1800 **Doug Wells/The Open Group**

- 0900-0945 JSR Update and Procedures Going Forward, Doug Wells, The Open Group
- 0945-1030 Safety Critical Certification Requirements, Ty Startzman, Boeing
- 1030-1100 Break
- 1100-1230 Panel Discussion Synchronization Issues of SCRT/HIJA Going Forward, Dr. James Hunt, Kelvin Nilsen, Doug Locke, John Anton, Doug Wells
- 1230-1330 Lunch
- 1330-1800 Safety Critical RT Java Specification Workshop (Thursday afternoon and Friday morning), WG

Note: Architecture for RT and Safety/Mission Critical RT Java are Parallel Sessions on Thursday

Safety/Mission Critical RT Java
Friday, October 22: 0800 - 1200

- 0800-1200 Safety Critical RT Java Specification Workshop (continued from Thursday afternoon), WG