

# **Real-time and Embedded Systems Forum Austin, Texas Agenda April 29 through May 1, 2003**

**Tuesday April 29, 2003, 0900-1730 Hours  
Open Architecture for Real-time and Embedded Systems**

- This session is a continuation of the OA for RT&ES working group efforts using the US Navy approach to Open Architecture for RT&ES Environments.

0900 - 0905	<b>Introduction</b> - LtCol Glen Logan (OSD/OSJTF).
0905-0945	<b>OA Dynamic Resource Management Requirements.</b> - Tony Samuel (US Navy NSWC)
0945-1030	<b>The Ship as an Enterprise</b> - Robert Bernstein (Lockheed Martin)
1030-1100	Break
1100-1145	<b>Standards and Patterns for Resource Management</b> - Dr. Lonnie Welch (Ohio University)
1145-1230	<b>Fault Tolerant Real-time Corba in an OA</b> - Thomas Bracewell (Raytheon)
1230-1400	Lunch
1400-1730	<b>A Guided Discussion Covering the Various Tenets of an OA</b> - Lt Col Glen Logan (OSD OSJTF)

## Wednesday April 30, 2003, 0900-1730 Hours

- The morning session will cover an update on the revision to the IEEE POSIX 1003.13 Standard and two approaches to a Real-time Product Standard.
- The afternoon session – Security for Real-time will be a continuation of the work on the Partitioned Kernel MILS Protection Profile from a previous meeting (March 6, 2003)..
- The Security for RT session will meet **at two locations** with a telephone bridge providing the link. The second location is Salt Lake City, Marriott Hotel, Brighton Room (DoD Software Technical Conference).

### Wednesday Morning April 30, 2003, 0900-1230 Hours Real-time Profiles and Certification

0900-0915	<b>Introduction</b> – Joe Bergmann (The Open Group)
0915-1000	<b>IEEE POSIX 1003.13 Revision Update</b> – Joe Gwinn (Raytheon)
1000-1030	<b>The Open Group Process for Product Standards, Certification and Testing</b> – Graham Bird (The Open Group)
1030-1100	<b>Break</b>
1100-1145	<b>US Army OE</b> – George Vinansky (US Army WSTAWG)
1145-1230	<b>US Navy OACE</b> – Tony Samuel (US Navy NSWC)

### Wednesday Afternoon April 30, 2003, 1400-1730 Hours (Austin) Salt Lake City, Marriott Hotel, Brighton Room 1300-1630 Hours Security for Real-time

- The Security for Real-time session will be a continuation of the work on the Partitioned Kernel MILS Protection Profile from a previous meeting (March 6, 2003).
- The Security for RT session will take place **at two locations** with a telephone bridge providing the link. The second location is Salt Lake City, Marriott Hotel, Brighton Room (DoD Software Technical Conference).

1400-1415	<b>Introduction</b> - Sam Bowser (Aerospace Corp)
1415-1445	<b>Update Draft Protection Profile (PP)</b> – Ben Calloni (Lockheed Martin)
1445-1545	<b>Protection Profile for Balance of Real-time OS</b> – Sam Bowser (Aerospace Corp)
1545-1645	<b>Middleware PP for Extending Current Draft</b> – Mark Van Fleet
1645-1730	<b>The Way Ahead-</b> Sam Bowser (Aerospace Corp)

## **Thursday May 1, 2003, 0900-1500 Hours**

### **RT Java for Safety Critical Applications**

- The SC RT Java session is looking to formalize a RT Java Expert Group for Safety Critical applications through the submission of a JSR to the JCP. This effort is being championed by Boeing et al. There will be a discussion on the required resources to accomplish this effort.

0900-0915	<b>Introduction/Update</b> - Robert Allen (Boeing)
0915-1000	<b>The Open Group Decision Process</b> – Joe Bergmann (The Open Group)
1000-1030	<b>A Bit of Good News from a Performance Analysis of Jtime</b> – Greg Bollela (Sun)
1030-1100	Break
1100-1130	<b>Golden Gate Project: RTSJ on a Mars Rover</b> – Brian Giovannoni (Carnegie Mellon University)
1130-1230	<b>Proposed JSR for Safety Critical</b> – Robert Allen (Boeing)
1230-1330	Lunch
1330-1500	<b>Discussion going forward to include resource requirements</b> – Dave Lounsbury (The Open Group)

**PLEASE NOTE THE SAFETY/MISSION CRITICAL APPLICATIONS SESSION WHICH WAS SCHEDULE FOR THE AFTERNOON (1400-1730 Hours) OF MAY 1 HAS BEEN DELAYED TO THE JULY MEETING.**