

Preliminary Symposium Agenda

THURSDAY, NOVEMBER 13

11:30 a.m. - 1:00 p.m.

Registration

1:00 - 6:00 p.m.

Introduction: Time-Triggered Networking for A&D Systems

Markus Plankensteiner, TTA-Group

OEM Perspective on Aircraft Networking and Time-Triggered Technology

Herminio Lustosa, Product Manager, Embraer

Application of Time-Triggered Technology in Commercial Aircraft

Shawn Warner,

Technical Lead, Hamilton Sundstrand

Synchronous Networking for Distributed Control Subsystems Integrated in Safety Critical IMA

Jean-Pierre Garcia,

Director Advanced Technology, Messier-Bugatti

The Application of Time-Triggered Architecture to Integrated Survivability

Tony White,

Director Advanced Technology, Ultra Electronics

Simulation of TTP Communication in a Fly-By-Wire Flight Control System Using TTech Matlink,

Claude Tessier

Senior Engineering Specialist, Bombardier

SAE Standardization of Time-Triggered Technologies

Laura Feix, Standardization Engineer, SAE Standards Group

6:00 - 9:00 p.m.

Networking Reception

FRIDAY, NOVEMBER 14

8:00 a.m. **Registration and Continental Breakfast**

9:00 a.m. - 12:00 p.m. **Platform Productivity:
COTS Platform Design, SW/HW Components
and Physical Layers**

COTS Platforms and Time-Triggered Systems: Computing and Networking for Safety-Critical Distributed Applications

Martin Schwarz, Product Manager, TTTech

Safety Critical Operating Systems Foundations for Critical Control Systems

Chip Downing, Senior Marketing Manager, WindRiver

Optical Physical Layer Considerations: Time-Triggered and Gigabit-Ethernet Systems,
Ken Applebaum, President, COTSWORKS

Application Productivity: Model-based design

Model-Oriented Design of Complex Time-Triggered Architectures in AADL

Bruce Lewis, U.S. Army AMRDEC, SAE AS-2C Chair

*SCADE and Time-Triggered Architecture (TTA): An Integrated Development
Environment for Time-Triggered Safety-critical Systems*

Bernard Dion, CTO, Esterel Technologies

Demonstration by Tools/Components Suppliers

12:00 - 1:00 p.m. **Lunch**

1:00 - 4:00 p.m. **Migrating from CAN/ARINC429 to
Time-Triggered Technologies**

Mirko Jakovljevic, TTTech

**Time-Triggered Technologies at a Glance: TTP, FlexRay and
TTEthernet**

Martin Schwarz, TTTech

**System-of-Systems Integration with Time-Triggered
Technologies**

Mirko Jakovljevic, TTTech

Question & Answer Session
Speakers/SAE/TTA-Group

[call-out box]

Exhibit Hours: Thursday, November 13
1:00 - 6:00 p.m.

Friday, November 14
8:00 a.m. - 4.00 p.m.