Getting Started with IEEE 1451 Smart Sensors

Tuesday June 8, 2004
1:30 p.m. – 5:30 p.m.

Session Organizer: Kang Lee

Session Co-Chairs: David Potter and Thurston Brooks

Agenda

1:30 – 3:15 p.m. Overviews of IEEE 1451 Standards

- Synopsis of IEEE 1451 Family by Kang Lee –5 min
- Overview of IEEE P1451.0 by Jay Nemeth-Johannes –15 min
- Overview of IEEE 1451.1 by Jeff Burch–15 min
- Overview of IEEE P1451.2 by Jamie Wiczer – 15 min
- Overview of IEEE 1451.3 by Lee Eccles – 15 min
- Overview of IEEE 1451.4 by David Potter – 15 min
- Overview of IEEE P1451.5 by Thurston Brooks –15 min
- Overview of IEEE P1451.6 by Kang Lee –5 min

3:15-3:45 p.m. Break for networking

3:45 – 5:30 p.m. Applications and Implementations

- Open Sensor Systems: Navy Needs and Usage by David Perrussel –15 min
- How to Create and Program an IEEE 1451.4 Sensor by David Potter -15 min
- Use of TEDS Based Sensors and Data Acquisition in Field Applications by Issam Kloury – 15 min
- Field Strain Acquisition by Douglas Dieruff – 15 min
- An Application of IEEE 1451.3 by Dan Maxwell –15 min
- Other applications, implementations, and open discussion.