



January 4-7, 2011, The Grand Hyatt Kauai Resort & Spa, Koloa, Kauai, Hawaii.

Track: Decision Technology, Mobile Technologies and Service Science

Minitrack: Mobile Social and Sensor Networks for Man-Machine Collaboration

This minitrack will address the challenges of integrating social and robotic sensor networks into seamless manned-unmanned collaborative environments; collaborative service-driven processes for social and sensor networks on-the-move; synergy, adaptation, and collaboration between man and robotics exchanging services on top tactical and global mobile networks; situational awareness services for mobile social and sensor networks; and holistic models of their behavior.

Topics include:

- Self-organizing Manned-Unmanned Tactical Grid
- Interfaces for remotely controlled sensors and unmanned systems
- Situational awareness with Robots
- Bandwidth adaptation services architecture
- Tactical markets (Auction and Mechanism Design)
- Decision support for battlefield medical services
- Synergy models for interagency data sharing
- Transactive memory for Manned-Unmanned collaboration

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