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Project Manager:

Dr. Nazih Khaddaj Mallat
École Polytechnique, Montreal

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Publicity:

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FBW11

CANEUS/IEEE
**FLY-BY-WIRELESS
 WORKSHOP 2011**
 June 14-17, 2011
 Montreal, Quebec, Canada
www.caneus.org/fbw11



June 14-17, 2011

4th Annual Fly-By-Wireless (FBW11) Workshop
Concordia University, Montreal, Quebec, Canada
"Fly-by-Less Wires and Fly-by-Wireless"

CANEUS / IEEE FBW11 Scope:

1. Provide international forum on user needs and wireless alternatives to foster cooperation and partnerships
2. Promote better understanding of the maturity wireless systems
3. Provide wireless alternatives to wired infrastructure
4. Identify key challenges and solution paths from wired and wireless connectivity
5. Capture lessons learned from use of wireless systems
6. Quantify the life cycle return on investment or mission needed for various applications and opportunities to establish which investments and partnerships have promise.
7. Identify, enable, create partnerships, working groups, projects, and plans to implement "fly-by-wireless" in aerospace vehicles.

The workshop scope covers the following general categories:

Application End-Users Needs	Technology Developers
<ul style="list-style-type: none"> • Less-Wire Architectures • Sensor DAQ Micro-Miniaturization • Wireless Sensors in the Ball Bearings • Structural Health Monitoring (SHM) • RF immunity in Electromagnetic Environment • Frequency Spectrum Allocation • Aircraft/Rotorcraft/Spacecraft/Rockets • Manned and Unmanned Vehicles • Jet Engines and Rockets (hot/cold sections) • Ground Support Systems & Instrumentation • Inflatable Wireless Antennas and Structures 	<ul style="list-style-type: none"> • Passive Wireless RFID & Sensor Tags • Standalone, Robust Wireless Data Acquisition • Self contained miniaturized Wireless Sensors • Low weight implementation of SHM • Scavenge and Rechargeable Power Sources • Harsh Environment Wireless Sensors • Fault Detection, Identification & Fault tolerant Ctl • High speed Wireless Avionics Communications • Multi-drop systems & Data on Power Lines • Robust Programmable wireless radios • Standard interfaces for HW/SW & RF

Paper Submission

Original papers in the area of wireless communications with applications in aerospace industry shall be submitted in a short paper format (4 pages, Font 12, double column, IEEE Format) with sufficient details to allow a critical Peer review. We will also accept Poster papers. **REVISED paper/poster submissions deadline; 11:59PM EDT May 15, 2011** Both papers and posters shall be submitted using the EIDOS paper submission system to one of the two categories: "application end-users" or "technology developers".

For registration and further information, visit the following website:

<http://www.caneus.org/fbw11>

or contact: Kian Jalaeddini, kian_ja@yahoo.com, or Tan Nguyen, ntnguyen2603@gmail.com

