

## Report from the Chicago General Assembly

**Chair: Dr. Frédérique de Fornel**

**Vice Chair: Franz X. Kärtner**

**Commission D Business meetings were held by Dr. Frédérique de Fornel (Chair) on the following two days:**

**Meeting 1:** Monday, August 11th, 17:20-18:40

**Meeting 2:** Wednesday, August 13th, 17:20-18:20

The following issues were discussed and decided upon.

### **1- Triennial Activity for 2005 – 2008.**

*Dr. Frédérique de Fornel reported on:*

1. Commission D has supported several new areas of research related to the Nanosciences and thus, a few issues have emerged. The URSI community in this area is still too dispersed. Commission D needs a concerted effort to have a common action plan together with the other commissions and scientific organizations active in this area.
2. The emergence of Nanotechnology in the domain of RFID has changed sensor technology. Increasingly collaboration with other commissions, active in this area becomes important.
3. Microwave and millimetre wave imaging is a research area in full development.

The following conferences were supported by Commission D during the triennium 2005-2008:

1. APMC 2006 Asia-Pacific Microwave conference, Yokohama, Japan, 12-15 December 2006.
2. Telecom& JFMMA, Fes, Morocco, 14-16 March 2007.
3. Zurich 2007, München, Germany, 24-28 September 2007
4. Metamaterial's 2007, The first International Congress on Advanced Electromagnetic Materials for Microwaves and Optics, Rome, Italia, 22-24 October 2007.
5. ISSSE 2007, Montreal, Canada, 30 July- 2 August 2007.
6. EMC 2009 VIII International Symposium and Exhibition on Electromagnetic Compatibility and Electromagnetic Ecology, St Petersburg, Russia, June 2009

### **2. New Chair and Vice Chair for 2008-2011**

Election of the new Vice-Chair

Two candidates were presented :

1. Smail Tedjini, Professor  
Department of Electrical Engineering  
Grenoble-inp/lcis  
Grenoble, France

2. Josef Lazar, PhD  
Institute of Scientific Instruments  
Academy of Sciences of the Czech Republic  
Brno, Czech Republic

*Voting was held for the incoming Commission D Vice-Chair 2008 – 2011. The successful candidate was: Smail Tedjini*

### **3. Appointment of Commission D Editor for Review of Radio Science**

*URSI Publication*

Commission D Editor for RSB will be, Prof. S. Tedjini (incoming Vice-Chair)

### **4. Scientific Program of Next General Assembly**

The tentative topics of interest to Commission D for the General Assembly 2011:are:

- RFID Technology and Applications
- Signal Processing Antennas, jointly with Commissions B and C
- Modeling of High Frequency Devices and Circuits
- Electronic Analog to Digital Conversion and Mixed Signal Systems, jointly with Commission C
- Photonic Analog to Digital Conversion
- Microwave Optical Links
- Low Noise Microwave Generation
- Optical Frequency Metrology, jointly with Commission A
- Optical Devices and Guided Waves
- Plasmonics
- Metamaterials
- Terahertz technology
- MEMS and NEMS Components
- Micro- and Nanophotonics
- Numerical Methods and Modeling in Integrated Optics
- Hyperspectral Sensing and LIDAR