

70TH URSI CNC MEETING SYMPOSIUM

École Polytechnique de Montréal, Pavillon Lassonde Room M-1010

MONDAY PM MAY 30, 2011



The International Union of Radio Science, or Union Radio-Scientifique Internationale (URSI), is an organization which is responsible for stimulating and coordinating, on an international basis, studies, research, applications, scientific exchange, and communication in the fields of radio science, encompassing all aspects of electromagnetic fields and waves. In Canada, the Canadian National Council (CNC) of the URSI meets on a yearly basis and, at this occasion, organizes a half-day symposium covering different areas of the URSI. The program of this year's symposium is as follows:

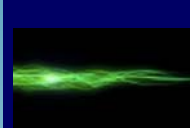
Commission A

Electromagnetic Metrology



Commission B

Fields and waves



Commission C

Radiocommunication Systems and Signal Processing



Commission D

Electronics and Photonics



Commission E

Electromagnetic Environment and Interference



13:30-13:35 *Introductory Remarks*

Christophe Caloz, École Polytechnique de Montréal

13:35-13:50 *"The Canadian National Committee of URSI: Our Role and Contributions to the International Organization"*

Frank S. Prato, Lawson Health Research Institute

13:50-14:10 *"The Relevance of Electromagnetic Waves to Space Missions"*

Daniel Gratton, Canadian Space Agency

14:10-14:30 *"The Green ICT Opportunity: Energy Efficiency and Greenhouse Gas Emission Reductions"*

Charles Despins, Prompt Inc.

14:30-15:15 *"Techniques for Broadband Frequency Conversion with Nonlinear Optics" (Commissions D, B, C)*

Raman Kashyap, École Polytechnique de Montréal

15:15-15:30 Coffee Break

15:30-16:15 *"From North America out to the Edge of the Universe, with Magnetic Eyes" (Commission J)*

Jacques P. Vallée, NRC, Herzberg Institute of Astrophysics

16:15-17:00 *"Next-Generation Metamaterials: Micro-Nano-Atomic Multiscale Structures" (Commissions B, D, C, H, A)*

Christophe Caloz, École Polytechnique de Montréal

17:15-18:15 *"Microwave Near-field Imaging of Human Tissue: Hopes, Challenges, Outlook" (Commissions K, B, C, F)*

Natalia Nikolova, McMaster University
(IEEE MTT-S Distinguished Lecturer Talk)

Commission F

Wave Propagation and Remote Sensing



Commission G

Ionospheric Radio and Propagation



Commission H

Waves in Plasmas



Commission J

Radio Astronomy



Commission K

Electromagnetics in Biology and Medicine

