

## **Session Program**

**12-17 Jun 2016**



**2016 CAP Congress / Congrès de l'ACP 2016**

***W1-6 Instrumentation for the Detection of  
Low-Level Radioactivity (DIMP) / Appareillage  
de détection de radioactivité de faible  
intensité (DPIM)***

University of Ottawa  
SITE Building, 800 King Edward Ave, Ottawa, ON

## Wednesday 15 June

08:30

### **W1-6 Instrumentation for the Detection of Low-Level Radioactivity (DIMP) / Appareillage de détection de radioactivité de faible intensité (DPIM)**

**Session** | **Location:** University of Ottawa, Colonel By D103, SITE Building, 800 King Edward Ave, Ottawa, ON | **Convener:** Kirk Michaelian

08:30–08:45

#### **The New Research Injection Line at the André E. Lalonde AMS Laboratory, University of Ottawa**

**Speaker**

Prof. William Kieser

08:45–09:00

#### **The Measurement of Actinides by Accelerator Mass Spectrometry**

**Speaker**

Jack Cornett

09:00–09:15

#### **The Accurate Determination of Radionuclides without Prior Chemical Separation of Interferences using an Agilent 8800 ICP-MS/MS**

**Speaker**

Ms Pamela Wee

09:15–09:30

#### **CaF3-/KF3- on-line separation methods and the present $^{41}\text{Ca}/\text{Ca}$ sensitivity at AEL-AMS**

**Speaker**

Xiaolei Zhao

09:30–09:45

#### **Separation and analysis of Sr-90 and Zr-90 for nuclear forensic applications**

**Speaker**

Prof. Dominic Lariviere

09:45–10:00

#### **Semiconductor nanocrystals as detector of ionizing radiation in liquid scintillation counting**

**Speaker**

Ms Marie-Eve Lecavalier

10:00–10:15

#### **Determination of Pb-210 in water samples by ICP-MS after cloud point extraction using crown ethers.**

**Speaker**

Mr Guillaume Blanchet-Chouinard

10:15–10:30

#### **Development of a fast and robust sequential method for uranium and thorium decay series quantification in environmental samples**

10:30

**Speaker**

Ms Claire Dalencourt