



Workshop Program on:

INSTRUMENTATION AND MEASUREMENT IN NUCLEAR MEDIA.

International Convention Center Sydney, Meeting Room C4.8
Sunday, November 11th, 2018, 8.30 – 15.30

Organizer & Leader: Abdallah Lyoussi (CEA, France)

8.30 - 8.45: General introduction (A. Lyoussi)

❖ 8.45 – 9.15: A. LYOUSSI, "Nuclear instrumentation and measurement in nuclear media: some advances and main challenges" **CEA, France.**

❖ 9.15 – 9.45 (*Invited/Opening Talk*): M. MORICHI, "Novel multidetectors digital signal processing platform for Spectroscopy, Particle Identification and Coincidence Counting Experiments". **CAEN-Sys, Italy.**

9.45 -12.00: Part 1 : "Advanced Measurements and Instrumentation for/in Research Reactors"
(Chairs: M. Joyce (University of Lancaster, UK) & M. Morichi (CAEN Sys, Italy))

❖ 9.45-10.15: P. MUTTI : *Particle Physics Experiments at the Institute Laue- Langevin*", **ILL, France, Grenoble, France.**

❖ 10.15 -11.00: Coffee break.

❖ 11.00-11.30: Ch. REYNARD-CARETTE: "Review of AMU/CEA works realized in the framework of the INCORE program. Comparison between two differential calorimeters used for measurements of adsorbed dose rates in nuclear research reactors" **Aix-Marseille University, IM2NP, Marseille, France.**

❖ 11.30-12.00: Ch. DESTOUCHES: "State of the art of the CEA R&D for Instrumentation and measurements in Experimental Nuclear Reactors", **CEA, Cadarache, France.**

❖ 12.00-14.00: Lunchtime

❖ 14.00–14.45: Part-02 “Non Destructive Assays for material, fuel and radioactive waste Characterization and Control” (Chairs: P. Mutti (ILL, France), Ch. Reynard-Carette (AMU, France))

❖ 14.00-14.45: (Invited talk) M. JOYCE “A comparison of gamma-ray spectroscopy with accelerator mass spectrometry for environmental assay of plutonium” Lancaster University, UK.

❖ 14.45–14.15: Part 03 “Innovative sensors and detection devices” (Chairs: P. Mutti (ILL, France), Ch. Reynard-Carette (AMU, France))

❖ 14.45-15.15: V. RADULOVIC “E-SiCure Collaboration Project: Silicon Carbide Material Studies and Detector Prototype Testing at the JSI TRIGA Reactor” Jožef Stefan Institute, Slovenia.

15.15 – 16.00: Conclusion and end of the workshop.

**Except the invited talks, the allowed time of each presentation is 30 minutes:
20 minutes speaking and 10 min Q/A.**