

**The Department of Physics,
University Of the West Indies, Mona Campus
in collaboration with the International Atomic Energy Agency(IAEA),
Thermo Fisher Scientific and The Department of History.**

**Workshop on
In-situ Applications of the X-ray and Gamma-ray Spectroscopy Techniques
Monday, August 22, 2011**

8:30 – 9:00 **Registration**

9:00 – 9:30 **Welcome Address**

9:30-10:15 **Presentation 1**

- Principles and Applications of portable XRF analysers:
Non-destructive analysis of cultural heritage artefacts and artworks
Dr. Andreas Karydas, IAEA
-

10:15-10:45 **Coffee Break**

10:45-11:30 **Presentation 2**

- Applications and technology of handheld XRF analyzers
Thermo Fisher Scientific
-

11:30-11:50 **Presentation 3**

- Environmental and industrial applications of the handheld XRF XL3t
Professor Mitko Voutchkov - Dept Of Physics, UWI
-

11:50-12:10 **Presentation 4**

- Medical and Forensic Applications of X-rays
Professor Mitko Voutchkov - Dept Of Physics, UWI
-

12:10-12:30 **Round table discussion**

12:30-1:30 **Lunch Break**

1:30 – 2:20 **Presentation 5**

- Gamma Spectroscopy: Methodologies and Applications
Professor Slobodan Jovanovic. - IAEA Expert
-

2:20–3:50 **Presentation 6**

- Measurements of Radon and Thoron in soil, air and water using RAD7
Mr. Stephen Silvera - Dept of Physics, UWI
-

3:50-3:10 **Coffee Break**

3:10-3:30 **Presentation 7**

- Environmental Radioactivity Monitoring in Jamaica (UWI)
Mr. Maurice Miller - Dept of Physics, UWI
-

3:30- 4:00 **Presentation 8**

- Medical Applications of Gamma Spectroscopy
Dr. Willard Pinnock - Dept of Chemistry, UWI
-

4:00- 4:30 **Round table discussion & Closing remarks**