

Agenda – CIRMS IAME – October 22 – 24, 2012

Monday 1:45 – 3:15

Jin-Woo Lee – Material compensation for radiation thickness gauges

Tony Berejka – Ionizing Radiation Use

Monday 3:45 – 5:15

Kevin O’Hara – New gamma irradiator designs

Tony Berejka – Ionizing Radiation Development

Tuesday 1:45 – 3:15

Dr. Mohamad Al-Sheikhly – “Advancements of the Extraction of Uranium from Seawater”

Jeremy Simon – “Sealed Electron Beam Emitter for Use in Narrow Web Curing,
Sterilization and Laboratory Applications”

Tuesday 3:45 – 5:15

Marc Derosiers – “So, what should we do with these check standards?”

Wednesday 11:00 – 12:45

Discussion for New Measurement Program Descriptions (MPDs)

Wednesday 1:45 – 3:15

Walter Voit – “Radiation Curing of 3D Printable Polymers”

Wednesday 3:45 – 5:15

Measurement Program Descriptions (MPDs)

Update of the Report on Needs in Ionizing Radiation

Active MPD's - IAME:

- specific action items are active for consideration by the community
- D.3.4 [Radiation Hardness Testing and Mixed-Field Radiation Effects](#)
- D.5.3 [Medical Device Sterilization](#)
- D.6.1 [Pollution Prevention](#) (P2)
- D.7.3 [Food Irradiation](#)
- D.8.1 [Low-voltage Electron Beam and X-ray Dosimetry](#) (80 to 300 KeV)

Proposed MPD's (as of October 2012):

- D.8.2 High-energy Electron Beam Dosimetry (> 300 KeV)
- D.9.1 Fast Neutron Reactor Research and Development
- D.9.2 Reprocessing of Used Nuclear Fuel
- D.9.3 Link Absorbed Dose and Irradiation Temperature to Properties of Polymeric Materials (Joint MPD with Medical Applications)

Watchlist - IAME

- all action items have been completed or are inactive
- D.1.0 (Watchlisted in 2011) [High-Dose Calibrations for Electron-Beam Processing](#)
- D.2.0 (Watchlisted in 2011) [Radiation Measurements for Gamma-Radiation Processing](#)
- D.4.4 (Watchlisted in 2012) [Neutron Dosimetry for Reactor Pressure Vessel Surveillance](#)