2008 Midyear Topical Meeting

Radiation-Generating Devices

Meeting Date: 27-30 January 2008

Oakland, California

Call for Abstracts

The Accelerator Section, in conjunction with the Northern California Chapter of the Health Physics Society (HPS), is pleased to submit a call for abstracts for the 2008 Midyear Meeting on "Radiation-Generating Devices." More than a decade will have passed since the last midyear on this topic! So, it is with great pleasure and anticipation that we announce this upcoming 2008 Midyear Meeting, to whet your appetite and to help you to prepare for this unique event. As you can see from the suggested list of topics, so much has changed and expanded in this field that it covers virtually all aspects of health physics. We urge you not to miss this exclusive opportunity. Plan now to attend. We are waiting to welcome you to Oakland.

For more information on the 2008 Midyear Meeting please see the official Web site at http://hpschapters.org/2008midyear/. You may also obtain a poster advertising the meeting by contacting the HPS Secretariat (hps@burkinc.com).

Abstracts Due: 31 August 2007

Suggested Abstract Topics

- The Health Physics Challenges of New Accelerator Initiatives and Radiation-Generating Devices
  - Current and Proposed
- The Health Physics of Medical Imaging and Therapy
  - Cyclotrons for Positron Emission Tomography (PET) and Linac Medical Isotope Production
  - Radiation Therapy and Imaging Using Radiation-Generating Devices
  - The Health Physics of Medical Physics
  - Calibration and Technology Advances
- The Health Physics of Research Facilities
  - Particle Accelerators (electron, proton, and ion accelerators; spallation sources; storage rings; synchrotron radiation; and light source facilities)
  - High-Power Lasers
  - Free Electron Laser (FEL) Facilities
  - Radiofrequency Devices

    - Experiment Design
    - Target Safeguards

- The Health Physics of Industrial Facilities
    - Neutron Generators
    - Nondestructive Analysis and Radiography
    - Portable Accelerators
    - Electron Beam Processing (composite curing, gem enhancement, E-beam welding)
    - Sterilization and Food Irradiation
    - Radiation-Generating Device Manufacturing
    - Oil and Gas Industry Applications (well logging)
    - Ion Implantation

- Homeland Security Health Physics Considerations
    - X-Ray Imaging Devices (cargo)
    - Large-Scale Cargo Screening
    - Active Interrogation
    - Human Imaging Devices

- The Evolution of Health Physics for Radiation-Generating Devices
    - Accelerator
    - Medical
    - Industrial
    - Special Applications

- General Health Physics Topics for Radiation-Generating Devices
    - Shielding Design
    - Interlocks and Safety Systems
    - Safety Training and Integrated Safety Management
    - Regulatory, Legal, and Public Concerns
    - Readiness Reviews
    - Operational Health Physics
    - Field Characterization and Monitoring
    - Spectroscopy
    - Instrumentation Selection and Calibration
    - Personal Dosimetry
    - Biological Effects
    - Environmental Monitoring
    - Dose Reconstruction
    - Radiation Damage and Activation
    - Waste Disposal

To submit abstracts online:
http://hpschapters.org/2008midyear/abstracts/