IHE is an initiative by healthcare professionals and industry to improve the way computer systems in healthcare share information. AAPM is one of 40 professional organizations and 160 companies that are members. Within the Radiology domain, recent and current work items include:

- Radiation exposure monitoring (REM),
- Mammography acquisition workflow (MAWF),
- Extensions to the Portable Data for Imaging (PDI) integration profile,
- Basic Image Review Profile (BIR),
- MR Diffusion Imaging (MDI), and
- CT/MR Perfusion Imaging with Contrast (PIC).

These efforts will be reviewed and the significance for Medical Physicists identified.

DICOM is an industry standards initiative of the Medical Imaging and Technology Alliance (MITA), a division of NEMA. The Digital Imaging and Communications in Medicine (DICOM) standard is now recognized worldwide and was approved in 2006 as an ISO standard. The DICOM standards committee has 26 member companies and 13 professional organizations. Recent work items include:

- Clinical Trial De-identification Profiles,
- Surface Segmentation Storage SOP Class,
- CT Radiation Dose Reporting (Dose SR),
- Tomosynthesis Image Storage SOP Class,
- JPEG 2000 Transfer Syntaxes and Interactive Protocol, and
- Enhanced CT and MR Image Storage SOP Class.

These efforts will be reviewed and the significance for Medical Physicists identified.

Learning objectives

1. Update your knowledge regarding recent DICOM activities.
2. Update your knowledge regarding recent IHE activities.
3. Learn how you might contribute to DICOM and/or IHE initiatives.