# Therapy, Imaging & Joint Programs

## Therapy Program

### Scientific Symposia
- Hypofractionated RT
- Robustness of IMRT treatments
- Advances in proton therapy
- Novel acceleration techniques
- Advanced biological modeling for RT
- Challenges in differential dose delivery with IMRT

### Proffered Abstract Submissions
- IMRT optimization, treatments & QA
- Monte Carlo method & validation
- Dosimetry instrumentation methods & QA
- Brachytherapy isotopes, pharmaceuticals, methods & applications
- Stereotactic radiosurgery and radiotherapy
- Radiobiology modeling and treatment planning
- Networks and informatics

## Imaging Program

### Scientific Symposia
- Beyond mammography
- Status and developments in breast ultrasound imaging
- Advances in CT: beyond the slice war
- Tomographic guidance of RT procedures
- Molecular imaging: techniques and applications

### Proffered Abstract Submissions
- CT, MRI, PET, ultrasound, mammography
- Radiography/fluoroscopy
- Vascular & cardiac imaging
- Optical imaging, CAD
- Multi-modality imaging
- Display & visualization
- Image registration & fusion
- Image segmentation, dosimetry

## Joint Imaging/Therapy Program

### Scientific Symposia
- Challenges in in-room target localization
- Temporal and spatial imaging for RT
- Tomographic guidance for RT procedures
- Image-guided alternative therapies
- Imaging for therapy assessment
- Functional imaging for RT guidance

### Proffered Abstract Submissions
- Target definition
- Image-guided procedures
- Imaging for therapy assessment