



49th Annual Meeting  
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Minneapolis Convention Center  
Minneapolis, Minnesota

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# 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