Note: The Radiation Oncology and Physics Program commences with three joint sessions with the Diagnostic Radiology Program.

7:00 am (50) Continental Breakfast
7:50 am (10) Welcome & Demo of Audience Response System

**Sess. 1 (115)**
8:00 am (20) Lung Cancer Screening: What the Radiologist Needs to Know
8:20 am (20) Role of PET/CT in the Evaluation of Lung Cancer and Pulmonary Nodules
8:40 am (20) Treatment Effects and Complications of Lung Cancer Therapy
9:00 am (30) Essentials of Radiation Oncology
9:30 am (20) Physics: Introduction to CT Dose Reduction Techniques
9:50 am (05) Q&A & Speaker Evaluations
9:55 am (25) Coffee Break

**Sess. 2 (105)**
10:20 am (45) Quality Payment Program Year 2: Maximizing Scoring Opportunities in MIPS
11:05 am (60) Charles Craig Lecture (Co-Sponsored by the TRS Foundation & the TRBMA) Harnessing Artificial Intelligence
12:05 pm CME Lunch **TICKET REQUIRED**

**Sess. 3 (60)**
12:20 pm (60) Clinical Decision Support in Medical Imaging
1:20 pm (10) Coffee Break

**Sess. 4 (90)**
1:30 pm (75) Stereotactic Ablative Radiotherapy (SABR)
2:45 pm (15) Q&A & Speaker Evaluations
3:00 pm (20) Coffee Break

**Sess. 5 (60)**
3:20 pm (30) Lung Technical Challenges
3:50 pm (10) Quantitative Analysis of Lung SBRT Treatment Plans
4:00 pm (10) VMAT vs. DCAT for Lung SBRT
4:10 pm (10) Q&A & Speaker Evaluations

**Sess. 6 (50)**
4:20 pm (10) Radiation Pneumonitis in Pediatric Hodgkin Lymphoma Patients Receiving Radiotherapy to the Chest
4:30 pm (10) Disparities in Treatment Selection & Outcomes of Stage I Esophageal Cancer
4:40 pm (10) Disparities in Presenting Stage & Overall Survival in Women Treated for Breast Cancer
4:50 pm (10) Short-Term Mortality Associated with Surgery, Radiation, & Observation in Elderly Stage I NSCLC
5:00 pm (10) Q&A & Speaker Evaluations
5:10 pm Adjourn & Radiation Oncology & Physics Section Business Meetings
5:30-9:30 pm TRS Awards Dinner **TICKET REQUIRED**

**RADIATION ONCOLOGY & PHYSICS PROGRAM**
FRIDAY, MARCH 23, 2018 (8 HRS OF CME)

Here are just a few things past attendees have said:

- **“First time attending. Enjoyable conference. Great way to discuss issues central to Texas Radiology.”**
- **“Knowledgeable and gifted speakers.”**
- **“The support the TRS provides for resident members is overwhelming. RSNA and ARRS also treat the residents well, but there was a definite personal touch at the TRS meeting that was unique.”**
- **“Easy to travel to, register online, and attend.”**
- **“Great way to meet peers.”**
- **“An excellent program! Meeting is always pertinent.”**
- **“Good mix of review and applicability to everyday practice.”**
- **“Interactive program approach with audience response technology is excellent.”**
- **“Great location, well-organized and strong program.”**
- **“Good diversity in topics, excellent lectures.”**
- **“High quality CME for low cost.”**
### RADIATION ONCOLOGY & PHYSICS PROGRAM

**Saturday, March 24, 2018 (6 HRS OF CME)**

<table>
<thead>
<tr>
<th>Time</th>
<th>Session/Activity</th>
<th>Duration</th>
<th>Speaker(s)</th>
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<tbody>
<tr>
<td>7:00 am</td>
<td>Continental Breakfast</td>
<td>60</td>
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<tr>
<td>8:00 am</td>
<td>Sess. 7 (130) GI Cancer</td>
<td>60</td>
<td>Emma Holliday, MD</td>
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<tr>
<td>9:00 am</td>
<td>Refreshed Course – GI Cancer</td>
<td>60</td>
<td>Emma Holliday, MD</td>
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<td>10:00 am</td>
<td>Q&amp;A &amp; Speaker Evaluations</td>
<td>10</td>
<td>Yang Park, PhD</td>
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<td>10:00 am</td>
<td>Coffee Break</td>
<td>10</td>
<td>Christopher Kabat, MD</td>
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<tr>
<td>10:30 am</td>
<td>Physics: Technical Challenges &amp; Opportunities</td>
<td>30</td>
<td>Nima Hassan-Rezaeian, PhD</td>
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<td>11:00 am</td>
<td>Sess. 8 (60) Technology Review on Radiation Therapy for GI Cancers</td>
<td>60</td>
<td>Matthew McCurdy, MD</td>
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<tr>
<td>11:10 am</td>
<td>Ideal Pre-Treatment Plan Assessment for Liver Patients</td>
<td>10</td>
<td>Jennifer Lee, MD</td>
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<tr>
<td>11:20 am</td>
<td>Development &amp; Validation of an Intra-Fractional Tumor Motion &amp; Dose Reconstruction System for Stereotactic Body Radiation Therapy of Liver Cancer</td>
<td>10</td>
<td>Sam Sun, MD</td>
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<td>11:20 am</td>
<td>Q&amp;A &amp; Speaker Evaluations</td>
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<td>11:30 am</td>
<td>Sess. 9 (30) Radiation Oncology Resident Presentations</td>
<td>60</td>
<td>Emma Holliday, MD</td>
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<td>11:40 am</td>
<td>The Decision Making Process, Diagnosis, Treatment &amp; Outcome of Select Gastrointestinal Cancer Cases</td>
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<td>11:50 am</td>
<td>Proteogenomic Integration Broadens Treatment Targets in Human Cancer</td>
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<td>12:00 pm</td>
<td>Coffee Break</td>
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<tr>
<td>12:30 pm</td>
<td>CME Lunch (Joint Session with Diagnostic Radiology)</td>
<td>60</td>
<td>Bill Thorwarth, MD</td>
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<td>1:30 pm</td>
<td>Lunch</td>
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<tr>
<td>1:40 pm</td>
<td>Sess. 10 (60) Ethics &amp; Fellowship Updates</td>
<td>10</td>
<td>Rick Hodes, MD</td>
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<tr>
<td>2:40 pm</td>
<td>Ethics: Extreme Radiology - 30 Years in Africa - Ethical Issues</td>
<td>60</td>
<td>Ryan Jones, MD</td>
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<td>2:50 pm</td>
<td>Rutherford-Lavanty Government Relations Fellowship Report</td>
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<td>3:00 pm</td>
<td>Coffee Break</td>
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<tr>
<td>6:00-7:30 pm</td>
<td>Enjoy Frisco attractions on your own</td>
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### EDUCATIONAL OBJECTIVES

**Radiation Oncology & Physics**

At the conclusion of this program, Radiation Oncology & Physics program attendees should be able to:

- Evaluate the fundamentals of lung cancer management and recent advances in radiation therapy.
- Examine the technical challenges and opportunities in the radiation physics of lung cancer radiation therapy.
- Describe the fundamentals of gastrointestinal cancer management and recent advances in radiation therapy.
- Review the technical challenges and opportunities in the radiation physics of gastrointestinal cancer radiation therapy.

**Diagnostic Radiology**

At the conclusion of this program, Diagnostic Radiology program attendees should be able to:

- Review what Radiologists need to know regarding lung cancer screening and recognize the role of Pet CT, of Interventional Radiology and of Radiation Oncology in the treatment of lung cancer.
- Describe the changes in health care that relate to new payment models (including for the treatment of stroke) and need to be knowledgeable in emerging technologies such as machine learning and clinical decision support systems.
- Apply concepts related to intracranial infections, head and neck emergencies, knee and shoulder MRI, pediatric imaging and mammography to highlight the important role of Radiologists in patient care.
- Explain the new relationship between diagnostic and interventional radiology and the need for collaboration.
- Recognize the role both the American Board of Radiology and the American College of Radiology play in the practice of Radiology and in the changing scope of the specialty.