

# **RAT 6932 Seminar in Medical Physics**

**Fall 2016, Friday @ 4:30 pm, SE 101**

## **SEMINAR PROGRAM**

<b>DATE</b>	<b>SPEAKER/TOPIC</b>
<b>September 2</b>	<b>Dr. Th. Leventouri</b> <i>Medical Physics Accredited Programs: Overview from CAMPEP at the AAPM Meeting, Washington DC, July 31-August 4, 2016.</i>
<b>September 9</b>	<b>Nader Moshiri</b> <i><math>^{212}\text{Pb}</math>-<math>^{212}\text{Bi}</math> Pharmacokinetics Model &amp; Dosimetry</i>
<b>September 16</b>	<b>Shereen Chandrasekara</b> <i>Dosimetric Consequences from Minimal Displacements in APBI with SAVI applicators</i>
<b>September 23</b>	<b>Bryan Doozan</b> <i>The Advantages of Collimator Optimization for Intensity Modulated Radiation Therapy</i>
<b>September 30</b>	<b>Dr. Silvia Pella, DABR</b> <i>Planning and Delivering HDR APBI Treatments</i> Educational presentation given at the annual AAPM 2016 Meeting
<b>October 7</b>	FAU closed (Hurricane Matthew) Seminar Rescheduled
<b>October 14</b>	<b>Casey Curley</b> <i>Phantom Study Incorporating a Diode Array into the Treatment Planning System (TPS) for Patient-Specific Quality Assurance (QA)</i>
<b>October 21</b>	<b>Sadegh Mohammadi</b> <i>A Computational Study on Different Penalty Approaches for Constrained Optimization in Radiation Therapy Treatment Planning with a Simulated Annealing Algorithm</i>
<b>October 28</b>	<b>Charles Shang, B.MED, MS, DABR, FAAPM</b> <i>Motion Control and Tracking in Current Lung Cancer SBRT</i>
<b>November 4</b>	<b>Sadegh Mohammadi</b> <i>Thesis Defense</i>
<b>November 18</b>	<b>Zachary Christ</b> <i>Thesis Research Proposal: CYBERKNIFE Synchrony motion tracking: Checking Limitations on motion tracking using QUASAR Respiratory motion phantom.</i>
<b>December 2</b>	<b>Dr. George Kalantzis</b> <i>Optimization Methods in Radiation Therapy</i>