

## **RAT 6932 Seminar in Medical Physics**

**Fall 2014, Thursday @ 4 pm, SE 101**

<b>DATE</b>	<b>SPEAKER</b>	<b>TOPIC</b>
<b>August 21</b>	<b>Dr. Th. Leventouri</b>	Medical Physics Accredited Programs: Overview from CAMPEP at the AAPM Meeting, July 2014
<b>August 28</b>	<b>Andreea Fodor-Pennington</b>	Stereotactic Body Radiotherapy (SBRT) using Cyberknife for Lung Cancer Comparison of Treatment Plans using Ray Tracing (RT) and Monte Carlo (MC) Algorithm
<b>September 4</b>	<b>Bereket Ghebremichael</b>	Dosimetric Comparison of IPSA (Inverse Planning by Simulated Annealing) and Dose Points Optimized Treatment Plans in HDR (High Dose Rate) Brachytherapy of Skin Lesions Using Freiburg Flap Applicator
<b>September 11</b>	<b>Brian Doozan</b>	Global Beam Angle Optimization for Lung Cancer Intensity Modulated Radiation Therapy
<b>September 18</b>	<b>Mikko Hyvarinen</b>	Investigation of Dose Variation in HDR Brachytherapy Due to Small Range Motions
<b>September 25</b>	<b>Dr. Joe Ting, DABR</b>	Career Past or Career Path
<b>October 2</b>	<b>Dr. Tim Williams M.D.</b>	How a Medical Physicist can save your life
<b>October 9</b>	<b>Dr. Michael Kasper M.D.</b>	Radio-therapeutic management of skin cancer, including teletherapy, isotopic, and electronic brachytherapy
<b>October 16</b>	<b>Andreea Fodor-Pennington</b>	THESIS DEFENSE
<b>October 23</b>	<b>Dr. Thomas J. Klein, M.D. Ph.D.</b>	Do No Harm: The Risks (and Benefits) of Radiation in the Management of Lung Cancer
<b>October 30</b>	<b>Dr. Rashmi Benda M.D.</b>	Accuboot: Optimal breast immobilization and IGRT.
<b>November 6</b>	<b>Samanthia Long</b>	TBA
<b>November 13</b>	<b>Dharma Khatiwaga</b>	TBA
<b>November 20</b>	TBA	