



Computational and Mathematical Challenges in Particle Therapy
Sunday, April 19, 2015
Sheraton Music City Hotel
Belle Meade

Time and Speaker		Title
9:00-9:45 AM	Dr. Pedro Vaz <u>Instituto Superior Técnico (IST)</u>	Radiation Protection and Dosimetry in Medicine - Computational Issues: An Overview
9:45-10:30 AM	Dr. Ali Haghighat and Katherine Royston Virginia Tech	TITAN with Image Reconstruction (TITAN-IR) for SPECT
10:30-10:45 AM	Coffee Break	
10:45-11:30 AM	Dr. Farzad Rahnema, Georgia Tech	COMET-PE for radiation treatment planning
11:30-12:15 PM	Dr. Ken Van Riper, White Rock Science	Preparation of shielding models for proton therapy centers
12:15-1:15 PM	Lunch on your own	
1:15-2:00 PM	Dr. Makoto Asai SLAC National Accelerator Laboratory	Geant4 for medical physics
2:00-2:45 PM	Ben Robison MS, DABR Provision Center for Proton Therapy	Current and future trends in Proton therapy – a roadmap for innovative developments
2:45-3:00 PM	Coffee Break	
3:00-3:45 PM	Dr. Marcio Fagundes MD, DABR Provision Center for Proton Therapy	Expanding the clinical uses of Proton therapy – an overview of the current utilization of proton beams and future indications
3:45-4:30 PM	Dr. Pedro Vaz, Moderator All Speakers	Wrap-up Panel Discussion