



## Nuclear Medicine and Radiotherapy

08:00 – 09:00	<b>Registration</b>
09:00 – 09:15	<b>Opening and Introduction</b> Graeme O’Keefe, Ph.D. Austin Health, Heidelberg, Australia
09:15 – 09:45	<b>Introduction to Monte Carlo Methods</b> Sarath Seneviratne. Prince of Wales, Sydney
09:45 – 10:15	<b>Monte Carlo Radiation Transport: Current Capabilities and Future Directions</b> Zdenka Kuncic, Ph.D. Institute of Medical Physics, University of Sydney
10:15 – 11:00	<i>Coffee break</i>
11:00 – 11:30	<b>Experience using Monte Carlo in the design of PET cameras</b> Mike Casey, Ph.D. Siemens Medical Solutions, Knoxville, Tennessee
11:30 – 12:00	<b>GATE modeling of a Novel Small Animal PET with Depth-of-Interaction</b> Lakshal Perera, Biomedical Physics, Univerisity of Wollongong
12:00 – 14:00	<i>Lunch break</i>
14:00 - 14:30	<b>A Review of MonteCarlo Applications in Radiotherapy</b> Trevor Ackerly. William Buckley Centre, Alfred Hospital, Melbourne
14:30 - 15:00	<b>EGS4 MonteCarlo Applications in Radiotherapy and PET</b> Robin Hill. Royal Prince Alfred, Sydney, Australia
15:00 – 15:30	<i>Coffee Break</i>
15:30 - 16:00	<b>GATE Applications in Respiratory Motion</b> Graeme O’Keefe, Ph.D. Austin Health, Heidelberg, Australia
16:00 – 16:30	<b>Patient Specific Dose Estimation with GEANT4 MC</b> Sarath Seneviratne, Prince of Wales, Sydney
16:30 – 17:00	<b>Conclusion</b>

ANZSNM/ACPSEM Physics SIG 2008

MonteCarlo Applications

In

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