Centre for Medical Radiation Physics (UOW)

We are pleased to invite you to the

1st GEANT4 Australian School and User Workshop
11-16 April 2011

Chair: Susanna Guatelli (CMRP, UOW, Wollongong, NSW)
Co-Chair: Zdenka Kuncic (University of Sydney, Sydney, NSW)
Local organising committee: Susanna Guatelli (CMRP, UOW, Wollongong, NSW), George Takacs (CMRP, UOW, Wollongong, NSW), Stephen Dowdell (CMRP, UOW, Wollongong, NSW), Brad Oborn (Illawarra Cancer Care Centre, Wollongong, NSW)
Scientific Advisory Committee: Anatoly B. Rosenfeld (CMRP, UOW, Wollongong, NSW), Makoto Asai (SLAC National Accelerator Laboratory, United States), Vladimir Ivantchenko (CERN, Switzerland), Dennis Wright (SLAC National Accelerator Laboratory), Joseph Perl (SLAC National Accelerator Laboratory, United States), Dean Cutajar (CMRP, UOW, Wollongong, NSW), Zdenka Kuncic (University of Sydney, Sydney, NSW), Stephen Dowdell (CMRP, UOW, Wollongong, NSW), Aimee McNamara (ANSTO, Lucas Heights, NSW), Brad Oborn (Illawarra Cancer Care Centre, Wollongong, NSW), Dale Prokopovich (ANSTO, Lucas Heights, NSW)
Administration Officer: Karen Ford (CMRP, UOW, Wollongong, NSW)

1st Geant4 Australian School
11-12-13 April, 2011

The school will consist of three days of tutorials with seminars dedicated to all the aspects of Geant4 and with hands-on sessions, where the students will learn how to develop a Geant4 simulation for dosimetry. The course is addressed to undergraduate/postgraduate students with previous knowledge of radiation physics and basic knowledge of scientific computing, to researchers and medical physicists, interested in the use of Geant4.

1st Geant4 Australian User Workshop
14-15-16 April, 2011

We kindly invite Geant4 Users from Australia and from all over the world to participate and to present their Geant4-based studies to this event. The workshop is addressed to postgraduate students and scientists working in Medical Physics, Space Science and High Energy Physics experiments. Particular attention will be devoted to dosimetry, microdosimetry, nanodosimetry and to the use of Geant4 as Monte Carlo to study radiation detectors. Validation of Geant4 physics models will be also an important topic of the workshop. The goal of this workshop is to discuss Geant4 capability for radiation physics, to discuss Geant4-based research, to receive feedback from Geant4 experts, to benchmark Geant4 accuracy with respect to experimental and reference data.

Topics of the Geant4 User Workshop:
- Radiotherapy, hadrontherapy, brachytherapy, IMRT, MRT
- Medical imaging
- Radiation protection
- Radiation detector optimisation
- Space science studies
- Radiation monitoring
- High Energy Physics experiments

Registration details
The fees are in Australian Dollar currency

Geant4 School
Early bird (till 25th February 2011)
$500
Late registration
$550

Geant4 Workshop
Early bird (till 25th February 2011)
$300
Late registration
$350

(GST included) (GST included)


For more details visit:

For more information contact us:
Dr Susanna Guatelli
Centre for Medical Radiation Physics
School of Physics,
University of Wollongong, NSW
Email: susanna@uow.edu.au
Karen Ford
Administration Officer
Centre for Medical Radiation Physics
School of Physics,
University of Wollongong, NSW
Email: kford@uow.edu.au

IMPORTANT DATES
Geant4 workshop abstract submission from 15th January to 31st January 2011
Early bird registration to Geant4 School and/or Geant4 User Workshop ends on the 25th February 2011
Late registration to Geant4 School and/or Geant4 User Workshop ends on the 4th April 2011