Circle for Medical Radiation Physics

we are pleased to invite you to the

Mini- Micro- Nano- Dosimetry (MMND 2014)
International Prostate Cancer Treatment (IPCT 2014)
Sheraton Mirage Port Douglas Resort
Port Douglas - Queensland - Australia
International Workshop
20 - 25 October, 2014

Chair: Prof Anatoly Rozenfeld (CMRP, University of Wollongong, Australia)
Co-Chair: MMND:
Prof. Paolo Colautti (INFN-Laboratori Nazionali di Legnaro, Legnaro-Padova, Italy)

Co-Chair IPCT:
Dr Joseph Bucci (St. George CCC, Australia)
Dr Josh Yamada (Memorial Sloan Kettering Cancer Centre, USA)

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Dr Josh Yamada (Memorial Sloan Kettering Cancer Center, USA)
Prof Marco Zaider (Memorial Sloan Kettering Cancer Center, USA)

Scope

The 2014 MMND and IPCT workshops are biennial international workshops hosted by CMRP. This year they will bring together multidisciplinary researchers, industrial partners and students to present and discuss new advances in the area of theoretical and experimental mini-, micro- and nano-dosimetry in radiation therapy and advanced technology for prostate cancer treatment. The MMND workshop will focus on the current status of research and radiation detectors for mini-, micro- and nano-dosimetry in hadron therapy and space. In particular radiation transport simulations on nano- and micro scale and new radiation detection technologies for use in imaging, X-ray and charged particle therapy will be discussed.

The IPCT workshop will concentrate on progress in prostate cancer treatment, on radiation oncology modalities and advanced quality assurance for that. Experts in radiation physics, radiobiology and radiation detection technology as well as clinicians, radiation oncologists and medical physicists will be stimulated by the workshop to develop new ideas for the improvement of radiotherapy, space dosimetry and related instrumentation. The language of all presentations will be in English and there will be many opportunities for informal discussions during the workshops.

Important Dates:

• Abstract submission deadline - 15th August 2014
• Early bird registration deadline - 21st July 2014
• On-site conference registration - 20th October 2014
• Proceeding submission deadline - 21st December 2014

Registration:

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Topics:

Mini- Micro- Nano- Dosimetry (MMND 2014)
(20-21-22-23 October 2014)
Theoretical and experimental micro- and nano-dosimetry
Radiobiological models in hadron therapy
Radiation detectors for mini- micro- and nano-dosimetry
Nanoparticles in radiation therapy
Radiation detection technology for dosimetry and imaging
Radiation transport simulation
Radiation damage in molecules
Synchrotron Microbeam Radiation Therapy
Space radiation dosimetry

International Prostate Cancer Treatment (IPCT 2014)
(23-24-25 October 2014)
Advanced treatment of prostate cancer
Comparison of:
- Brachytherapy
- IMRT, IGRT, MRI Linac
- Proton and Heavy Ion Therapy

Outline Agenda:

Welcome party: 20th October 2014
Conference Social dinner: 23rd October 2014
Focus group, ARDENT, coordination meeting: 23rd October 2014

Link to website: http://mmnd-ipct.com/