

# Centre 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

CENTRE FOR  
MEDICAL  
RADIATION PHYSICS

UNIVERSITY OF  
WOLLONGONG



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)

## INTERNATIONAL ADVISORY COMMITTEE

### MMND

Prof Stefano Agosteo (Politecnico di Milano, Italy)  
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A/Prof Martin Carolan (ICCC, Australia)  
Dr Stephanie Corde-Tehei (POWH, Australia)  
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Dr Moeava Tehei (University of Wollongong, Australia)  
Dr Taiga Yamaya (National Institute of Radiological Sciences, Japan)  
Prof Marco Zaider (Memorial Sloan Kettering Cancer Center, USA)

### IPCT

Prof Michael Barton (Ingham Institute, Australia)  
Dr Joseph Bucci (St. George CCC, Australia)  
Dr Dean Cutajar (CMRP, Australia)  
Dr Vladimir Feygelman (Moffitt Cancer Center, USA)  
A/Prof Michael Jackson (POWH, Australia)  
Prof Paul Keall (University of Sydney, Australia)  
Prof John Kearsley (St. George Hospital, Australia)  
Prof Tomas Kron (Peter MacCallum Cancer Centre, Australia)  
Prof. Peter Metcalfe (CMRP, Australia)  
Dr Carl Rossi (Scripps Proton Therapy Center, USA)  
Prof Anatoly Rozenfeld (CMRP, Australia)  
Prof David Thwaites (University of Sydney, Australia)  
Prof Wolfgang Tome (Albert Einstein College of Medicine, USA)  
Dr Hirohiko Tsujii (National Institute of Radiological Sciences, Japan)  
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:

Registration fees are in Australian dollars

	MMND	IPCT	MMND + IPCT
Scientists - Early bird	\$ 600	\$ 600	\$ 950
Scientists - On site registration	\$ 650	\$ 650	\$ 1050
Students - Early bird	\$ 400	\$ 400	\$ 600
Students - On site registration	\$ 450	\$ 450	\$ 700

## 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: 20<sup>th</sup> October 2014  
Conference Social dinner: 23<sup>rd</sup> October 2014  
Focus group, ARDENT, coordination meeting: 23<sup>rd</sup> October 2014

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