IC3DDose Sept 2018

The 10th International Conference on 3D Radiation Dosimetry*

** Advanced Dosimetry for Advanced Radiation Therapy **

www.IC3DDose.org

When: Sept 16-19th, 2018

Where: Duke Kunshan University (DKU), Kunshan (near Shanghai and SuZhou), China.

What: State-of-the-art seminars, educational refreshers, proffered sessions (both research papers and posters), workshops, debates, and outstanding exhibition space for exhibitors and sponsors.

Conference Objectives:

1. ***To provide a forum*** *to discuss the latest research and developments in 3D and advanced radiation dosimetry.*
2. ***To elevate the quality*** *of radiation therapy treatments and quality assurance (QA) through improved clinical dosimetry.*
3. ***To explore*** *the dosimetric challenges posed by modern radiation treatment techniques*
4. ***To energize and diversify*** *dosimetry research and clinical practice by encouraging interaction and synergy between advanced, 3D, and semi-3D dosimetry techniques*

Who: Historically the IC3DDose meeting has been attended by radiation therapy physicists and oncologists, medical physicists (both clinical and research), chemists and biomedical engineers.

Special: **Academic sponsors: Duke MPGP.**
Accepted papers will be published online in the Journal of Physics (www.iop.org/EJ/journal/conf)

* ***Formerly DOSGEL (www.dosgel.org)***

昆山杜克大学
DUKE KUNSHAN UNIVERSITY

中国生物医学工程学会医学物理分会

Chinese Society of Medical Physics (CSMP)

Key Dates:

- Regular conference paper — June 17th, 2018
- Works-in-Progress — August 1st, 2018
  Guidelines at (in progress)
- Early bird registration, prior to — July 16th, 2018

Registration/Accomodation (meals and materials):

- Early-bird registration (late registration) — $450 ($600)
- DKU Scholarship for local attendees — (contact LOC)
- Student registration (late registration) — $200 ($380)
- Exhibitor registration available (contact LOC)
- Special room rate at the new Crowne Plaza — $TBD
  Booking details (in progress)
  rate extends 2 days pre and post conference

Local Organising Committee (LOC):

Duke Kunshan University, Durham, NC, USA:
Mark Oldham PhD, Fang-Fang Yin PhD, James Bowsher PhD, Ying Chiang (David) Huang PhD, Claire Kaimei Luo

戴建荣 (Jianrong Dai PhD), CSMP-President

Scientific Organising Committee:

Sven Back (Sweden), Clive Baldock (Australia), Crister Ceberg (Sweden), Sam Beddar (USA), Yves De Deene (Australia), Simon Doran (UK), Geoffrey Ibbott (USA), Andrew Jirasek (Canada), Kevin Jordan (Canada), Anna Karlsson (Sweden), Ben Mijnheer (NL), Mark Oldham (USA), John Schreiner (Canada), Cheng-Shie Wuu (USA)

International Conference on 3D Radiation Dosimetry
Scientific Program

Time	Sunday Sept 16th	Monday Sept 17th	Tuesday Sept 18th	Wednesday Sept 19th
07:30 - 08:15	***Reception Saturday Evening!***	***ITR 1: 3D Fundamentals***	***ITR 2: Making 3D Dosimeters***	***ITR 3: Dose Readout***
08:15 - 08:30	Breakfast break			
08:30 - 08:50	ICR: China Med Phys	ICR: SRS & SBRT	ICR: Protons	ICR: 4D and Motion
08:50 - 09:10	IR: Opportunities	IR: Pre-clinical	ICR: Carbon ions	ICR: IGRT 3D & QA
9:15 - 10:30	Proffered Talks: Medical Phys China	Proffered Talks: SRS and SBRT	Proffered Talks: Protons	Proffered Talks: Dosimetry and Motion
10:30 - 10:50	Break			
10:50 - 12:00	Proffered: Young Investigator I	Proffered: Young Investigator II	Proffered Talks: New Dosimetry Sys	Proffered Talks: Dosimetry and IGRT
12:00 - 13:00	Lunch and Posters			Awards/Finale
13:00 - 13:20	ICR: Dosimetry 4 MRI	IR: Chemical Dosimetry	ICR: EPID dosimetry I	Bon Voyage !
13:20 - 13:40	IR: Dosimetry 4 MRI	IR: Solid State 3D Dosimetry	IR: EPID dosimetry II	
13:45 - 15:00	Proffered Talks: MRI Linacs	Proffered Talks: Solid State Dos'y	Proffered Talks: EPID & Real-Time	
15:00 - 15:20	Break			
15:20 - 15:40	ICR: Clinical 3D Dosimetry Program	IR: Cherenkov Dosimetry	ICR: Developing Countries	
15:45 - 16:30	Proffered Talks: General	Proffered Talks: Chemical Dosimetry	IR: Innovation in Education Proffered: education	
16:30 +	Point/CounterPoint Debate	Social Night	Workshops I and II	
Evening	***Saturday*** Evening Welcome Reception			

Program key:

ICR=Invited Clinical Review

The clinical challenges and significance.

IR=Invited Review

The state of the art dosimetry systems and techniques.

ITR=Invited Technical Review

New dosimetry systems and techniques.

Invited Speakers and Panelists:

Speaker affiliations given below and on www.IC3DDose.org -

ITR	Baldock/Schreiner	Review of Fundamentals
ITR	Jordan / DeDeene	Making your own 3D Dosimeters
ITR	Doran / Jirasek	3D Dosimetry Read-Out Techniques
ICR: China Med Phys	Jianrong Dai	Medical Physics and Dosimetry in China
IR: Opportunities	Daniel Low	Dosimetry challenges and opportunities in modern RT
ICR: SRT/SBRT	FangFang Yin	SRT/SBRT: QA dosimetry and 3D
ICR: Pre-Clinical	CS Wuu	Pre-clinical and small field dosimetry
ICR: Protons	Sam Beddar	3D dosimetry for proton therapy
ICR: Carbon	Jiada Lu	3D dosimetry for heavy ion therapy therapy
ICR: 4D & Gating	Sven Back	4D and Motion: Dosimetry and motion management
ICR: IGRT and QA	TBD	IGRT 3D & QA: End to end QA IGRT
WrkShp1	Kevin Jordan	Data Challenge: optical-CT, x-ray-CT, MRI
WrkShp 2	John Schreiner	Data Analysis Tools: 3D Slicer and CERR
ICR: Dosimetry 4 MRI	Geoff Ibbott	Advanced Dosimetry for MRI Linacs I
IR: Dosimetry 4 MRI	TBD	3D Dosimetry for MRI Linacs II
ICR: Clinical 3D Dosimetry Program	Mark Oldham	Advanced Dosimetry Topics Clinical Program
IR: Chemical Dosimetry	John Adamovics	Chemical 3D Dosimetry
IR: SState Dosimetry	TBD	
IR:Cherenkov Dosimetry	Petr Bruza	Cherenkov Dosimetry I
ICR: EPID dosimetry I	Ben Mijnheer	EPIDS and QA of advanced treatments
IR: EPID dosimetry II	TBD	Semi-3D Devices and QA of advanced techniques
ICR:Developing Countries	Sha Chang	Opportunities of 3D and advanced dosimetry in the developing world.
IR Innovation in Educaton	Andy Beavis	Innovation in Education of Advanced Dosimrty
Point/Counter	Geoff Ibbott (Moderator)	

Academic co-Sponsors:

- AAPM (www.AAPM.org)
- Chinese Society of Medical Physics (CSMP) (www.csmp.org.cn)
- Duke University Medical Physics MS/PhD Program (www.medicalphysics.duke.edu)

Invited Speaker listing: -

John Adamovics, PhD, Professor of Chemistry, Rider University, NJ, USA,
Sven Back, PhD, Associate Professor, Medical Radiation Physics, Lund University, Sweden

Clive Baldock, PhD, Professor, Vice Chancellor, Dean of Graduate Research, University of Tasmania, Australia

Andy Beavis, PhD Head of Radiation Physics, Castle Hill Hospital, Cottingham, UK

Sam Beddar, PhD, Professor and Chief of Research, Department of Radiation Physics, UT MD Anderson Cancer Center, TX USA

Petr Bruza, PhD, Thayer School of Engineering, Dartmouth College, NH, USA

Sha Chang PhD, Professor, UNC School of Medicine, Chapel Hill, NC, USA

Jianron Dai, PhD, Vice Chairman, Department of Radiation Oncology, Cancer Institute (Hospital), Beijing CHINA

Yves DeDeene, PhD, Professor of BME, Faculty of Science and Engineering, Macquarie University, Sydney, Australia

Simon Doran, PhD, Senior Staff Scientist, CRUK Cancer Imaging Center, Institute of Cancer Research, Sutton, UK

Geoffrey Ibbott, PhD, Professor and Deputy Head, Radiation Oncology, UT MD Anderson Cancer Center, TX, USA

Andrew Jirasek, PhD, Associate Professor, Director, CAMPEP Graduate Program in Medical Physics, Mathematics, Statistics, Physics, and Computer Science, I.K. Barber School of Arts and Sciences, The University of British Columbia, Okanagan, BC Canada

Kevin Jordan, PhD, Physicist, Physics and Engineering, London Regional Cancer Program, London , ON, CANADA

Dan Low, Professor and Vice Chair of Physics, Radiation Oncology, University of California and Los Angeles, USA

Jiada Lu, PhD, China

Ben Mijnheer PhD, FIOMP, DEPT of Radiation Oncology, Netherlands Cancer Institute, Amsterdam , NETHERLANDS

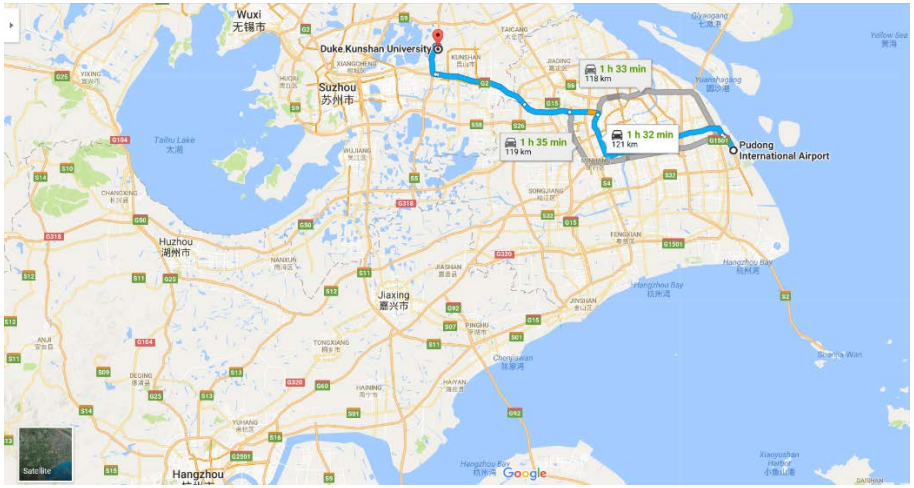
Mark Oldham PhD, FAAPM, Professor, Radiation Oncology, Duke University Medical Center, Durham, NC, USA

John Schreiner, PhD, FAAPM, FCCPM, FCOMP, Chief Medical Physics, Cancer Center of Southeastern Ontario, Kingston , ON CANADA

Cheng-Shie Wuu, Professor, Director of Medical Physics, DEPT of Radiation Oncology, Columbia University, NEW YORK , NY

Fang-Fang Yin, PhD, Professor and Director of Physics, Radiation Oncology, Duke University Medical Center, Dept of Radiation Oncology, Durham, NC USA

Directions and Travel:



From PVG: take subway to high speed train station (8RMB=US$1.5), then take train to Kunshan south (RMB24.5=US$4) need passport to buy ticket). Then take Taxi to Duke Kunshan University (~RMB40=US$6)

Sponsors and Exhibitors:

Outstanding exhibit space is available in Conference Exhibit Hall (see www.IC3DDose.org for further information).

Gold Sponsors (in process of Feb 2018):

ELEKTA