



IC3DDose Sept 2018

The 10th International Conference on
3D Radiation Dosimetry*

**** Advanced Dosimetry
for Advanced Radiation Therapy ****

www.IC3DDose.org

- When:** Sept 16-18th, 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 MGP](http://www.dukeup.edu).
Accepted papers will be published online in the Journal of Physics (www.iop.org/EJ/journal/conf)

* Formerly DOSGEL (www.dosgel.org)



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/Accommodation (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:

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

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), Mark Oldham (USA), John Schreiner (Canada), Cheng-Shie Wu (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:	Break-Out Activity	Proffered:	Break-Out Activity
10:30 - 10:50	Break			
10:50 - 12:00	Proffered: young investigator I	Proffered: young investigator II	Proffered	Proffered
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	Break-Out Activity	Proffered	Proffered	
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:	Proffered:	IR: Innovation in Education	
			Proffered	
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-

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	D Jaffray	Dosimetry challenges and opportunities in modern RT
ICR: SRT/SBRT	FF Yin	SRT/SBRT: QA dosimetry and 3D
ICR: Pre-Clinical	CS Wu	Pre-clinical and small field dosimetry
ICR: Protons	Sam Beddar	3D dosimetry for proton therapy
ICR: Carbon	Dr 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		IGRT 3D & QA: End to end QA IGRT
WrkShp1	Kevin Jordan	Data Challenge: optical-CT, x-ray-CT, MRI
WrkShp 2	TBD	Data Analysis Tools: 3D Slicer and CERR
ICR: Dosimetry 4 MRI	Geoff Ibbott	Advanced Dosimetry for MRI Linacs I
IR: Dosimetry 4 MRI	Leith Rankine	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	TBD	

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)