

3Ddose

Québec - 2022

JUNE 19-22 2022

Québec City, Canada

19 au 22

JUN 2022

Ville de Québec, Canada

QUÉBEC
VOTRE
VILLE

DESTINATION
AFFAIRES



Photo : Québec, François Gamache

Detailed Program of the
**12th INTERNATIONAL CONFERENCE ON 3D
and ADVANCED DOSIMETRY (IC3Ddose)**
June 2022, Château Frontenac, Quebec City.

Contents

About	3
Organizing committee	3
International Committee	3
A WARM THANK YOU TO OUR SPONSORS	4
AT A GLANCE	5
DAY 3 – JUNE 22nd	6
A WARM THANK YOU TO OUR SPONSORS	8

Welcome to the 12th edition of the DosGel/IC3Ddose biennial gathering of scientists on the topic of advanced dose measurements, including 3D and 4D dose imaging. This meeting is a unique opportunity for everyone interested in these topics, including graduate students and medical physics residents, to have one-on-one exchanges with the world-leading experts in the field. In addition to regular contributed talks, vendor exhibit, and a poster session, the 2022 edition will feature over a dozen refresher courses, a Rising Star oral talk competition as well as panel discussions and debates.

Topics (but not limited to)

- 3D and 4D dosimetry;
- GEL dosimetry;
- Film dosimetry;
- EPID dosimetry;
- Scintillation and Cherenkov;
- End-to-end QA;
- Dosimetry in extreme conditions:
 - Small field;
 - MR-Linac;
 - FLASH.

You will find last year's presentations here: <https://youtube.com/playlist?list=PL0wwIxJBoN1AiczRciTFBO-wFA28zv1Ku>

Organizing committee

Louis Archambault (ULaval, Canada)	Luc Beaulieu (ULaval, Canada)
Kevin Jordan (Western Ontario, Canada)	Andrew Jirasek (UBC-O, Canada)
Boyd McCurdy (UManitoba, Canada)	John Schreiner (Queen's, Canada)

International Committee

Sven Bäck (Skane, Sweden)	Clive Baldock (Western Sydney, Australia)
Peter Balling (Aarhus, Denmark)	Sam Beddar (MD Anderson, USA)
Sofie Ceberg (Lund, Sweden)	Yves De Deene (Macquarie, Australia)
Simon Doran (ICR, UK)	Geoffrey Ibbott (Vermont, USA)
Mark Oldham (Duke, USA)	

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AT A GLANCE

See detailed program for accurate session times						
Time	Sunday June 19th	Monday June 20th	Tuesday June 21st	Wednesday June 22nd	Thursday June 23rd	
08:30 - 09:10		On-site registration / Badge pickup 09:00 Opening	On-site registration / Badge pickup	On-site registration / Badge pickup / COMP pre-meeting day	COMP Panel (in COMP meeting room): FLASH in Radiotherapy - Mechanisms, Technology, Dosimetry and Delivery	
09:10 - 09:30		Invited talks	Invited talks	Invited talks		
09:30 - 10:30						Invited talk
10:30 - 10:50		Pause santé / Health Break / Exhibit				
10h50-11h30						Invited talk
11:30 - 12:00		Proffered session	Proffered session	Proffered session	vendor talks, Awards, future meetings	
12:00 - 13:00		Lunch and exhibit		Lunch and exhibit	Lunch	
13:00 - 14:20		Rising Stars Competition	Free to roam the old City and enjoy a terrasse!	Dosimetry in Extreme Conditions	COMP Young Investigators Symposium: IC3Ddose participants invited!	
14:25 - 15:15						
15:15 - 15:35		Pause santé / Health Break		Pause santé / Health Break		
15:35 - 16:15		Invited talk	Invited talk and Proffered (start at 15h20)	Dosimetry in Extreme Conditions (cont...)		
16:15-17:00		Meet the Speakers / Posters of the day		Meet the Speakers / Poster Session		
17:00 - 17:30	Welcome Registration	Virtual session	Meet the Speakers / Posters of the day			
17:30 - 18:00				Joint IC3Ddose-COMP Keynote - by Dr John Schreiner		
18h30-						
Evening	Free to explore the city	Free to explore the city	TBD	Joint Social / Exhibit		

DAY 3 - JUNE 22nd

8h40	On Site Registration / Badge pickup		
9h10-10h30	Refresher #5 Chair: Sofie Ceberg		
9h10-9h50	IS	Magdalena Bazalova-Carter University of Victoria, Canada	A review of small animal dosimetry techniques: image-guided and spatially-fractionated therapy
9h50-10h30	IS	Shirin A. Enger McGill UNiversity, Canada	Applied non-std dosimetry : hydrated electron, clinical calorimetry and others
10h30-10h50	Health Break		
10h50-12h00	Proffered session #4 Chairs: Louis Archambault and Anna Karlsson		
10h50-11h05	CT	Emmanouil. Terzidis, F. Nordström, J. Götstedt, A. Bäck University of Gothenburg, Sweden	Different aspects of plan complexity in prostate VMAT plans
11h05-11h20	CT	Tenzin Kunyab, Michelle Hiltz, Andrew Jirasek, Derek Hyde UBC-O, Canada	Spatial and Dosimetric accuracy of 3D polymer gel with CBCT readout - Varian HyperArc® SRS implementation
11h20-11h40	CT	Morten Bjoern Jensen, P Balling, H L Riis, A S Bertelsen, S V Jensen, S J Doran, J B B Petersen, L P Muren Aarhus University, Denmark	Characterisation and application of three-dimensional silicone-based radiochromic dosimetry in 1.5 T magnetic resonance imaging-guided radiotherapy
11h40-11h55	CT	Kalin I. Penev, Kibret Mequanint Western Ontario, Canada	Rheology modifiers in Fricke - gelatin dosimeters
12h00-13h00	Lunch		
13h00-16h00	DOSIMETRY UNDER EXTREME CONDITIONS Chairs : John Schreiner and Magdalena Bazalova-Carter		
***COMP registered delegates are welcome to attend this session			
13h00-13h40	IS	Arman Sarfehnia University of Toronto- Odette Cancer Centre, Canada	MR-Linac dosimetry: current approaches and challenges
13h40-14h20	IS	Sofie Ceberg Lund University, Sweden	FLASH radiotherapy and the associated dosimetric challenges
14h20-15h00	IS	James Renaud NRCC Ottawa, Canada	The role of standards laboratories in reducing uncertainty in clinical dosimetry
15h00-15h20	Health Break		
15h20-15h50	Panel discussions with all five invited speakers of the day Chair: Geoff Ibbott		

15h50-16h50	Meet the speakers / posters of the day The four proffered papers will be available at the poster boards to discuss their works. Slides presented will be displayed on the poster boards.	
17h30	Joint IC3Ddose - COMP session Welcome Remarks	
18:00	Joint IC3Ddose - COMP Keynote speaker Chairs: Luc Beaulieu and Wayne Beckham	
	KL	L. John Schreiner President, Medical Physics for World Benefit, Emeritus professor, Queen's University
		3D ² : Three Decades of 3D Dosimetry

*** Will be followed by a joint IC3Ddose - COMP welcome social event

DAY 3 CLOSED

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