

NEW HORIZONS:

Emerging Roles in Medical Physics

NOUVEAUX HORIZONS :

Rôles émergents en physique médicale

REGINA, SASKATCHEWAN

JUNE 5-8 JUIN 2024

MESSAGE FROM THE COMP PRESIDENT



On behalf of the COMP Board, I am thrilled to welcome you to beautiful Regina for the Canadian Organization of Medical Physicists' (COMP) **70th Annual Scientific Meeting**. The prairies are a fitting location for this meeting, as our theme "**New Horizons: Emerging Roles in Medical Physics**" will provide attendees the chance to reflect on the current medical physics landscape and discuss ways to cultivate future opportunities in the field.

There is something extraordinary about meeting in-person in a post-pandemic era. Coming together in one place fuels creative energy, collaboration and innovation. As COMP's mission affirms, we support research, education, innovation and excellence in professional practice, and our ASM is the ideal place to help us accomplish this.

COMP knows that its members have many options when it comes to attending scientific conferences and we work hard to ensure that our programming provides real opportunities for learning and engagement. Under the experienced leadership of this year's Chair, Patricia Lindsay, the Planning Committee has put together a fantastic scientific program that highlights some of the most innovative and exciting developments in the field today.

I am also proud to see COMP's commitment to inclusion, diversity, equity and access reflected throughout meeting and hope that we've begun to take steps towards making our meetings more accessible and inclusive for all our members.

Finally, a huge thanks to our sponsors, including Gold Sponsor Varian, for recognizing the importance and value of Canadian-focused meetings. Without their involvement this meeting wouldn't be possible. Please make sure you stop by the Exhibit Hall and learn more about the innovations coming from our vendor partners.

I look forward to seeing you and learning alongside you over the coming days.

Boyd McCurdy
President, COMP

MESSAGE FROM THE ASM CHAIR



Welcome et bienvenue to the 70th COMP Annual Scientific Meeting (ASM) hosted in Regina, Saskatchewan! The theme of this year's meeting is **New Horizons: Emerging Roles in Medical Physics**.

The organizing committee has put together an exciting program! Our Keynote speaker, Dr. Carri Glide-Hurst from the University of Wisconsin, will share her insights on the future of medical physics, focusing on MR simulation and MR-guided radiation therapy. Dr. Glide-Hurst, a tenured professor and Director of Radiation Oncology Physics, is renowned for her work in developing MR-only treatment planning models and her leadership in clinical integration guidelines for MR-guided therapies. Her session is a must-attend for anyone interested in the latest advancements in this field.

This year's program is packed with sessions on a variety of current medical physics topics including treatment planning, Analytics and Big Data, Automation and Adaptive Planning, and Patient Specific QA. We also have a number of workshops including: EGSnrc, New Horizons in Medical Physics: the evolution of mentorship, Shattering Glass Ceilings, and Bias in AI.

Additionally, the Young Professionals Day on Wednesday will offer valuable skills and knowledge to help students and early career medical physicists transition to professional employment. Following this, the always highly anticipated John Cunningham Young Investigators Symposium will take place on Thursday, showcasing the research and presentation skills of our up-and-coming medical physicists.

Equally important as the educational sessions is the opportunity for socializing. The Organizing Committee has ensured ample time for you to unwind and reconnect with colleagues. Each evening features an organized social event: tonight's Welcome Reception, the Movie Night hosted by the CWC-IDEA committee, the Student Night Out, and the COMP Banquet.

COMP and the ASM Planning Committee are committed to recognizing and celebrating diversity among the COMP community. Guided by the 2021 EDI Climate Survey and the CWC-IDEA Sub-Committee's recommendations, the committee is prioritizing IDEA principles to create an inclusive environment. Initiatives include diverse representation in session moderation, unconscious bias training for judges, and dedicated spaces for decompressing or nursing. We acknowledge that a more diverse community improves our understanding of challenges faced by underrepresented and equity-denied individuals and groups and encourages a more inclusive event.

A big thank you to the Organizing Committee for their hard work and dedication in creating such a fantastic program and the COMP office for all their hard work and support. I would also like to extend my gratitude to our speakers and moderators, who play a crucial role in making our program so outstanding.

Again, on behalf of the Organizing Committee, I hope you enjoy the program!

Patricia Lindsay
Planning Committee Chair - Princess Margaret Cancer Centre - Toronto, ON

THE COMP GOLD MEDAL



The Canadian Organization of Medical Physicists (COMP) is pleased to announce that the recipient of the 2024 Gold Medal is Dr. Frank Prato. The Gold Medal is the highest award given by COMP and recognizes an active or retired member who has worked mainly in Canada, has had an outstanding career, and has made a significant contribution to the field of medical physics in Canada.

Dr. Prato has been an integral part of the Medical Physics community at St. Joseph's Health Care London, London Health Sciences Center, and the University of Western Ontario for over forty years. His work spans critical advancements in Nuclear Medicine and Diagnostic Radiology, notably including:

- The development of bone mineral density measurement, essential for osteoporosis management.
- Performing the first MR brain imaging in Canada, setting a national standard.
- Pioneering MR cardiac imaging techniques, enhancing the understanding of myocardial scarring and blood flow assessment.
- Introducing the first PET/CT and PET/MR scanners in Canada, revolutionizing molecular imaging and proving the economic value of advanced imaging technologies.

Dr. Prato's leadership extends beyond his technical achievements. As the founding president of COMP, he played a crucial role in establishing the organization, advocating for Medical Physicists' independent voice and professional growth. His tenure as President and Board Member of the Canadian College of Physicists in Medicine (CCPM) was marked by significant advancements, including enhancing certification processes and establishing reciprocity with the American Board of Medical Physics.

Dr. Prato is also a dedicated mentor, having guided over 60 MSc and PhD students and Post-Doctoral Fellows, many of whom have won awards and secured prominent positions in the field. His mentorship has been instrumental in the success of numerous scientists within the Imaging Program at Lawson Health Research Institute.

In recognition of his tireless service, Dr. Prato received the Valuable Service Award from CCPM in 2002 and was named a Fellow of COMP in 2013. These accolades reflect his enduring impact on Medical Physics.

COMP extends its congratulations to Dr. Frank S. Prato on his COMP Gold Medal nomination, acknowledging his extraordinary contributions and unwavering dedication to advancing Medical Physics.

Join COMP in recognizing Frank, his achievements, and this honour, at the Gold Medal ceremony on Friday June 7th at 11:30 AM.

PROGRAM AT-A-GLANCE

View speaker detail and abstracts on the [website](#).

Wednesday June 5, 2024

7:30-8:30	Verdi Ballroom	Workshop Breakfast
8:00-16:30	Verdi Ballroom	Pre-Conference Scripting Workshop Current State of Automation in Canada
9:30-12:00	Lombardy	Young Professionals Workshop
10:30-11:00	Pre-function Space	Coffee Break
12:00-13:30	Pre-function Space	Lunch
13:30-14:30	Lombardy	Science Spoken Succinctly
14:30-15:00	Pre-function Space	Coffee Break
15:00-16:30	Lombardy	Residency Fair
17:30-19:00	Pre-function Space	ASM Welcome Remarks and Reception
19:30-21:30	Lombardy	Movie Night hosted by CWC-IDEA

Thursday June 6, 2024

9:00-10:30	Lombardy & Umbria	Keynote Talk by Carri Glide-Hurst <i>The Use of MRI In RT</i> followed by Panel Discussion
10:30-11:00	Trentino/Tuscany Room	Coffee Break and Exhibit Hall
11:00-12:00	Lombardy & Umbria	Session 1: Treatment Planning
11:00-11:30	Campania A	Fireside Chat: 40+ Years of MRI
11:30-12:00	Campania A	Workshop: EGSnrc
12:00-13:00	Trentino/Tuscany Room	Lunch and Exhibit Hall
13:00-14:30	Lombardy & Umbria	Young Investigators Symposium
14:30-15:00	Trentino/Tuscany Room	Coffee Break and Exhibit Hall
15:00-16:00	Lombardy & Umbria	Session 2A: Analytics and Big Data
15:00-16:00	Campania A	Session 2B: Brachytherapy
16:00-17:00	Lombardy & Umbria	Continuing Education Session: Patient Specific QA
16:00-17:00	Campania A	Workshop: New Horizons in MP: the evolution of mentorship
17:00-18:00	Campania A	Medical Physicists for World Benefit Meeting
18:00-21:00	Pre-function space, Campana B, Trentino & Tuscany	Poster Reception and Exhibit Hall
20:00-22:00	Baller's Rec Room	Student Night Out Sponsored by Saskatchewan Cancer Agency

Friday June 7, 2024

7:00-8:00	Off-Site	Fun Run
8:00-9:00	Lombardy & Umbria	Workshop: Shattering Glass Ceilings
9:00-10:30	Lombardy & Umbria	COMP Highlights
10:30-11:00	Trentino/Tuscany Room	Coffee Break and Exhibit Hall
11:00-11:30	Lombardy & Umbria	COMP Awards
11:30-12:00	Lombardy & Umbria	COMP Gold Medal Award
12:00-13:00	Trentino/Tuscany Room	Lunch and Exhibit Hall
12:00-13:00	Campania A	CWC-IDEA Drop in Lunch and Learn
13:00-14:00	Lombardy & Umbria	Session 3A: Radiation Dosimetry
13:00-14:00	Campania A	Session 3B: Imaging
14:00-14:30	Trentino/Tuscany Room	Coffee Break and Exhibit Hall
15:00-16:00	Lombardy & Umbria	Hybrid CCPM AGM
16:00-17:00	Lombardy & Umbria	Hybrid COMP AGM
18:00-22:30	Pre-function space/Trentino Room	Banquet Sponsored by Sun Nuclear

Saturday June 8, 2024

7:00-8:00	Pre-function space	Yoga hosted by Local Arrangements Committee
8:30-9:30	Lombardy & Umbria	Session 4: Quality and Safety
9:30-10:30	Lombardy & Umbria	Workshop: Bias in AI
10:30-11:00	Pre-function Space	Coffee Break
11:00-12:10	Lombardy & Umbria	Session 5: Automation and Adaptive Planning
12:10-12:30	Lombardy & Umbria	COMP YIS, Oral and Poster Awards
12:30-13:00	Lombardy & Umbria	Closing Remarks

NEED SPACE?

COMP is pleased to provide the following to delegates for the duration of the meeting.

Reflection/ Prayer Room – Dante Room

Nursing Room – Cellini Room

EXHIBITORS

COMP welcomes the following exhibitors / L'OCPM accueille les exposants suivants

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BOOTH 17



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BOOTH 18 SILVER SPONSOR



The Exhibit Hall will be open during breaks and lunch on Thursday and Friday and formally during the Poster Reception.

SOCIAL ACTIVITIES

COMP has plenty planned to keep you entertained during your down time.

MOVIE NIGHT – WEDNESDAY

How I Live a documentary film about 4 families, 5 countries and the global fight to cure childhood cancer. Stay after for a Q&A with the filmmakers.

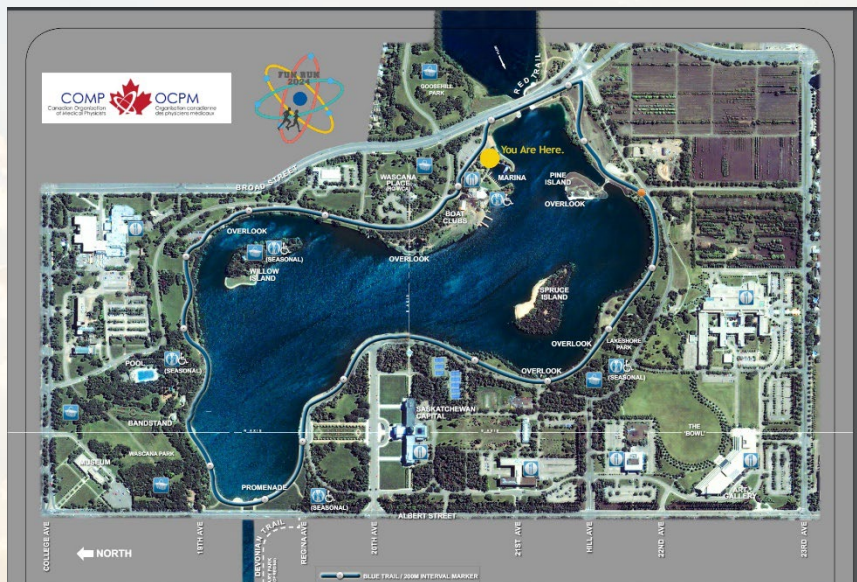
STUDENT NIGHT OUT – THURSDAY

Sponsored by Saskatchewan Cancer Agency, join the Student Council for a night at Baller's Rec Room.

COMP FUN RUN - FRIDAY

Meet in the lobby of the hotel at 6:30 for a fun run. The run will start at 7:00 sharp with prizes awarded at the Banquet.

Don't forget to pre-register at the registration desk!



BANQUET - FRIDAY

Sponsored by Sun Nuclear, join your friends and colleagues for an evening of delicious food. Stay into the evening and rock out with the band Andino Suns!

YOGA - SATURDAY

Stretch out your sore muscles by joining the Local Arrangements Committee for yoga. Mats will be supplied!

Don't forget to pre-register at the registration desk!

#COMPASM2024

8

ASM ORGANIZING COMMITTEE

Thanks to the Organizing Committee/ Remerciements particuliers au comité d'organisation:

- Patricia Lindsay, Planning Committee Chair - Princess Margaret Hospital - Toronto, ON
- Nathan Becker, Planning Committee Past Chair - BC Cancer - Kelowna, BC
- Amr Heikal, Continuing Education Chair - Cross Cancer Institute - Edmonton, AB
- Lee MacDonald, Scientific Chair - Nova Scotia Health Authority - Halifax, NS
- Kristin Marchant, Local Arrangements Chair - Saskatchewan Cancer Agency - Regina, SK
- Amanda Swan, Communications Chair - Cross Cancer Institute - Edmonton, AB
- Susannah Hickling, Young Investigators Chair - CancerCare Manitoba - Winnipeg, MB
- Aly Khalifa, Student Council Representative - Toronto, ON
- Erika Brown, Executive Director - COMP – Kanata, ON
- Crystal Grobb, Event Coordinator - COMP – Kanata, ON
- Ali Forgie, Member and Education Coordinator - COMP – Kanata, ON

A special thanks also goes out to the Local Arrangements Committee/ Un remerciement particulier est également adressé au comité d'organisation local

- Craig Beckett
- April Fay
- Harpreet Kaur
- Leila Kia
- Lisa Glass
- Janelle Hordos
- Kristin Marchant
- Amanda Mumm
- Zeel Patel
- Fazal ur-Rehman
- Matthew Sauder
- Varun Singh-Thakur

CROWDSOURCING THE 2025 ASM

The 2025 ASM is taking place in London Ontario June 4-7, 2025. The Planning Committee is crowdsourcing ideas for the theme – share your thoughts and be entered to win a discounted registration!



A SPECIAL THANKS TO OUR SPONSORS

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STUDENT NIGHT OUT

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