

Sarah Cuddy-Walsh featured by Dean of Science Office

Monday, October 30, 2017

Sarah Cuddy-Walsh, an OMPI grad student working at the Ottawa Heart Institute, was recently featured in an article from the Dean of Science's Office. Her work on cardiac SPECT imaging applies state-of-the-art imaging equipment and novel algorithms to optimize image quality and minimize radiation dose to patients.

Read more at <https://gradstudents.carleton.ca/2017/grad-research-heart-y-research/>

OMPI members present at MCMA 2017 in Naples, Italy

Wednesday, October 18, 2017

OMPI members and students presented a total of 11 papers at the **International Conference on Monte Carlo Techniques for Medical Applications** (MCMA2017) in Naples, Italy from October 15-18, including 1 keynote and 2 invited talks. Canada's leading role in the field was demonstrated than more than 29 attendees from Canada, second only to Italy's 33.

OMPI members present EGSnrc at international forum

Monday, September 18, 2017

Four members and three former members of OMPI (Dave Rogers, Frederic Tessier, Ernesto Mainegra-Hing, Reid Townson, Marc Chamberland, Blake Walters and Iwan Kawrakow) were the lecturers at the **Joint ICTP-IAEA Workshop on Monte Carlo Radiation Transport and Associated Data Needs for Medical Applications: EGSnrc** which was held at the International Center for Theoretical Physics (ICTP) in Trieste, Italy from Sept 18 to Sept 29, 2017. The course had 56 students from a total of 37 different countries.

Thanks to COMP '17 Local Arrangements Committee

Tuesday, July 18, 2017

The excellent COMP conference in Ottawa July 12-15 relied on great work by the Local Arrangement Committee led by Claudiu Cojocaru (NRC). Here is the list, alphabetically. Our thanks to all of them!

- Alex Bourgouin
- Chris Dydula
- Claudiu Cojocaru
- Eric Christiansen
- Ericka Venturina
- Ernesto Mainegra-Hing
- Ghada Aldosary
- Gisele Kite
- Graeme Wardlaw
- Liz Orton
- Ming Liu
- Nick Majtenyi
- Patty Oliver
- Sarah Cuddy-Walsh
- Simin Razavi
- Spencer Manwell
- Victor Malkov
- Yani Picard

Ottawa medical physicists win accolades at national conference

Saturday, July 15, 2017

At the 63rd annual meeting of the Canadian Organization of Medical Physicists (COMP) right here in Ottawa, four papers from Ottawa authors were awarded prizes, including first place in the J R Cunningham Young Investigator Symposium. Click [here](#) for details.

COMP '17 conference offers a snapshot of medical physics research in Canada's capital

Monday, July 10, 2017

The 63rd annual scientific meeting of the Canadian Organization of Medical Physicists (COMP) will be held right here in Ottawa July 12-15 2017 at the Westin Hotel. Here is a [pdf list](#) of authorships by Ottawa medical physicists.

For more info on the conference, please see the [COMP website](#).

Public Lecture: Shining a light on cancer with biophotonics - by OMPI member Dr. Sangeeta Murugkar

Friday, March 10, 2017

Time: 7:00 p.m.

Location: Richcraft Hall room 2200, Carleton University

All are welcome. No reservations required.

Abstract: Biophotonics exploits the quantum nature of light to study its interactions with biological tissues. Advances in methods to detect and manipulate light have led to the development of optical imaging techniques for application in medicine. These imaging techniques provide both biochemical and structural information about tissues at the cellular level and therefore have the potential to offer a highly sensitive, non-invasive means for early detection and diagnosis of diseases such as cancer.

In this lecture, Prof. Sangeeta Murugkar, Assistant Professor in Physics at Carleton University and leader of the Carleton Biophotonics Research Group, will present an

overview of the main optical imaging techniques used in modern medicine. She will especially focus on recent developments and future trends of biophotonics to clinical research such as the surgical guidance of cancer treatment.

Directions: Richcraft Hall is formerly known as the River Building. It's indicated as "RB" on the campus map, <http://carleton.ca/campus/map/>

There is free parking for this event in the underground lot P-16 beneath Richcraft Hall. The entrance is from the 3-way stop on University Drive just between Herzberg and Richcraft. If this becomes full, pay parking is available on levels 2 and 3 of the multistorey garage (P9).

Web ad: <https://physics.carleton.ca/news/2017/public-lecture-shining-light-cancer-biophotonics>