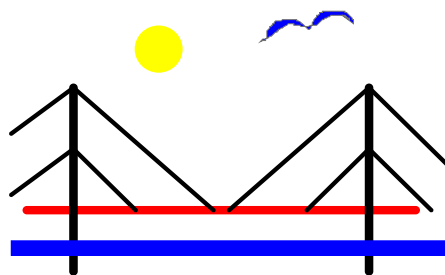


Optimisation in X-ray and Molecular Imaging 2020

Second Announcement



**Gothenburg, Sweden
20-22 April 2020**

Welcome to Gothenburg!

Optimisation in X-ray and Molecular Imaging 2020 will cover a wide area of research related to optimisation of medical imaging and is intended for a broad audience of medical physicists, radiologists, nuclear medicine physicians, engineers, radiographers and biomedical scientists, as well as representatives for authorities and manufacturers. The conference is the 5th in a series of scientific conferences focusing on optimisation of medical imaging, with special emphasis on image quality evaluation and radiological protection. Previous conferences have been held in Malmö, Sweden (1999, 2004, 2009) and Gothenburg (2015).

Invited speakers include (more to be announced):

Glenn Flux, Royal Marsden Hospital & Institute of Cancer Research, UK
Personalised treatment planning for molecular radiotherapy
Part 1: The Good – Benefits and opportunities
Part 2: The Bad – Risks and threats

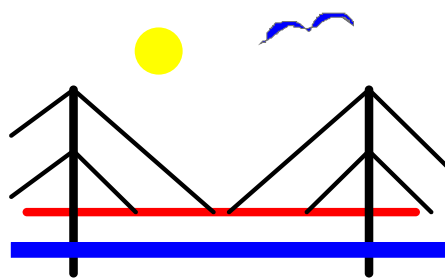
Mika Kortenesniemi, HUS Medical Imaging Center, University of Helsinki, Finland
From image quality to care outcome - Evolved optimisation process supported by AI/Deep Learning

Göran Bergström, University of Gothenburg & Sahlgrenska University Hospital, Sweden
*How can machine learning advance large population trials? – The Swedish CARDioPulmonary
biolmage Study (SCAPIS)*

Contributions in the following areas are welcome:

- Optimisation in radiology and nuclear medicine
- Assessment of clinical images and observer performance studies
- Recent technological developments and their clinical impact
- Patient dosimetry and reference doses/activities
- Occupational exposure
- Physical measurements and quality assurance programs
- Modelling procedures
- AI and Deep learning in medical imaging
- Image display, monitors and their environment
- Education and training

The conference will include a commercial exhibition.



General information

Abstract Submission

The deadline for abstracts is 2 December 2019. An abstract template can be found on the conference website. Notification of acceptance will be given before 31 January 2020.

Proceedings

The proceedings of the conference will be published in Radiation Protection Dosimetry. Manuscripts must be submitted in English and comply with the "Instruction for Authors", which will be sent to the authors together with the notification of acceptance for presentation at the conference. Publication of the manuscripts will be subject to peer review.

Conference Venue

Gothenburg is the second largest city in Sweden with about 500 000 inhabitants. It is located on the west coast of Sweden, well known for its beautiful archipelago, culinary attractions and strong industrial history.

The conference will be held at Conference Centre Wallenberg at University of Gothenburg, a modern, centrally located, and flexible multi-function venue for conferences, meetings and events. The Conference Centre Wallenberg is located close to Sahlgrenska University Hospital.

The international airport in Gothenburg is Göteborg Landvetter Airport (GOT).

Accommodation

A list of hotels in different price ranges can be found on the conference website. You may reserve your accommodation when you register for the conference.

Conference Secretariat / Website

Dughult of Sweden
Gamla Almedalsvägen 29
412 63 Gothenburg
SWEDEN

Phone: +46 31 778 38 00
E-mail: info@oxmi2020.org
Website: www.oxmi2020.org

Registration

The registration fee for the conference is 6000 SEK. The fee covers the scientific programme, proceedings, lunches, get-together party and conference dinner.

The registration form and registration fee must be received by 1 March 2020, by the conference secretariat. Late registration fee is 7500 SEK.

Full-time students, with an accompanying letter from their supervisor, may register at a special student fee, 4000 SEK.

Registration is available on the conference website. All prices are excl. of Swedish VAT at 25%.

Social Programme

A get-together party will be held on Sunday 19 April 2020. The conference dinner is on Tuesday 21 April 2020.

Local Organizing Committee

Jonny Hansson, chair
Emma Eliasson, co-chair
Charlotta Lundh, co-chair
Magnus Båth
Johanna Dalmo
Jakobina Grétarsdóttir
Maria Hulthenmo
Jehangir Khan
Maria Larsson
Esmaeil Mehrara
Maral Mirzai Beni
Patrik Sund

Angelica Svalkvist
Anne Thilander-Klang
Eleonor Vestergren
Barbro Vikhoff-Baaz

Scientific Committee

Magnus Båth, Gothenburg, chair
Peter Bernhardt, Gothenburg, co-chair
Angelica Svalkvist, Gothenburg, co-chair
Anja Almén, Stockholm
Hilde Bosmans, Leuven, BE
Mats Geijer, Gothenburg
Christoph Hoeschen, Magdeburg, DE

Åse Johnsson, Gothenburg
Charlotta Lundh, Gothenburg
Sören Mattsson, Malmö
Michael Moores, Liverpool, GB
Lars Gunnar Månsson, Gothenburg
Anne Thilander-Klang, Gothenburg
Michael Sandborg, Linköping
Anders Tingberg, Malmö
Martijn van Essen, Gothenburg
Francis Verdun, Lausanne, CH
Eleonor Vestergren, Gothenburg

Others to be confirmed