**General Information**

**Conference Venue**
Malmö is the third largest city in Sweden with about 300,000 inhabitants. It is located in southern Sweden, well-known for its rich history and culture, its farming districts, and beautiful countryside.

The conference will be held at Malmö University Hospital, which is close to the city centre (about 10 min walk).

Copenhagen, Denmark is 25 km away (over the bridge). Nearest airports: Copenhagen (CPH) and Malmö-Sturup (MMX).

**Weather**
June usually brings nice spring weather (20°C), but it is advisable to bring a jacket (the nights may be chilly) and an umbrella.

**Conference Secretariat**
Conference on Medical Imaging 2009
Department of Radiation Physics
Malmö University Hospital
SE-205 02 Malmö, Sweden
Phone: +46 40 33 12 35
Fax: +46 40 96 31 85
E-mail: imaging@med.lu.se
Web site: [www.med.lu.se/msf](http://www.med.lu.se/msf) (click Conference)

**Pre-conference course**
There will be a pre-conference course about “Quality assurance procedures for PET/CT and SPECT/CT”.

**Information**
The conference language is English. Additional information will be available on the conference web site.

**Accommodation**
Several hotels at reasonable walking distance to Malmö University Hospital are available. There is a list of nearby hotels on the conference website.

**Registration**
The registration form and registration fee must be received by 1 May, 2009 at the conference secretariat.
The fee is € 600. Late registration fee will be € 750. The fee covers the scientific programme, book of abstracts, proceedings, lunches, get-together party, and conference dinner.

Students, with an accompanying letter from their supervisor, may register at a special student fee, € 375. This possibility is only valid before 1 May, 2009.

The conference organisers will try to obtain a restricted number of grants for participants, with accepted abstracts, coming from e.g. Eastern and Central Europe. To apply for grants, please fill in the Grant Application Form on line ([www.med.lu.se/msf](http://www.med.lu.se/msf)).

**Social Programme**
The get-together party will be held on Wednesday 24 June, 2009. The conference dinner in the Town Hall of Malmö is on Friday 26 June, 2009.

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**Third Malmö Conference on Medical Imaging**
Optimisation in x-ray and molecular imaging
Malmö, Sweden
25-27 June, 2009

**Second Announcement and call for abstracts**
Malmö University Hospital - Lund University - Helmholtz-Zentrum München
Sahlgrenska University Hospital, Göteborg - Göteborg University
Consejo Superior de Investigaciones Científicas, Valencia - Institute for Applied Radiophysics, Lausanne - IRS Liverpool -Jožef Stefan Institute, Ljubljana - Linköping University - Scivis wissenschaftliche Bildverarbeitung GmbH, Göttingen
Università degli Studi di Milano - University of Michigan
Welcome to Malmö

The conference will cover a wide area of research related to medical imaging: from recent technology to advanced methods for evaluation of image quality with special reference to the development and evaluation of optimisation strategies. The conference is intended for a wide audience of medical physicists, radiologists, nuclear medicine physicians, engineers, and radiographers as well as representatives for authorities and manufacturers. The conference will be held at Malmö University Hospital, Sweden.

Contributions in the following areas are welcome:
- Recent technological developments and their clinical impact
- New detector technologies
- CT
- Tomosynthesis
- Multimodality imaging (SPECT/CT, PET/CT, PET/MR, …)
- Physiologically gated acquisition
- Imaging in radiotherapy (for treatment planning, for image guided applications)
- Assessment of clinical images. Observer performance studies (Session dedicated to the memory of Robert F Wagner)
- Modelling procedures
- Physical measurements and quality assurance programs
- Optimisation in digital radiology and nuclear medicine
  - with special focus on mammography, CT, interventional and paediatric radiology
  - and on PET and SPECT
- Image display, monitors and their environment
- Preliminary clinical results of computer aided diagnosis
- Patient dosimetry and reference doses/activities. Occupational exposure

There will be a commercial exhibition and a session for exhibitors.

Invited speakers/ Key-note speakers

Andrew Maidment, Philadelphia – Trends in medical imaging
Anders Persson, Linköping and Katrine Ahlström Ricklund, Umeå – Future of medical imaging from an MD-perspective
Mats Danielsson, Stockholm – Recent technological developments
Anders Tingberg, Malmö – Tomosynthesis
Christoph Hoesch, Munich – Algorithms for the reconstruction of 3D images
Franz Pfeiffer, Villigen – Development of phase contrast imaging using low-intensity x-rays
Wolfgang Schlege, Heidelberg – Imaging in radiotherapy
Dev Chakraborty, Pittsburgh – Recent developments in FROC analysis. Clinical relevance of different paradigms for measuring imaging system effectiveness
Magnus Båth, Göteborg – Evaluating imaging systems – Practical applications
Mads Rehani, Vienna – Radiation protection in CT procedures and in newer technologies
Sigrid Leide-Svegborn – Radiation protection in PET
Keith Faulkner, Newcastle – The IAEA clinical audit programme for diagnostic radiology
Michael Sandborg, Linköping – Efficient QA-programs in diagnostic radiology
Agnetha Gustafsson, Linköping – Efficient QA-programs in nuclear medicine
Michael Moores, Liverpool – IT-driven QA in radiology

Others to be confirmed

Abstract submission

The deadline for abstracts is 22 March, 2009 (N.B. one week later than announced in First Announcements). An abstract form for the conference can be found on www.med.lu.se/msf (click Conference).

Proceedings

The proceedings of the conference will be published in Radiation Protection Dosimetry. Manuscripts must be submitted in English and comply with the “Guidelines for Publication”, which will be sent to the authors, together with the information on acceptance of the paper. Publication of the manuscripts will be subject to peer review. In order to allow the editors to publish the proceedings without delay, all authors must submit four copies of their manuscripts to the Scientific Secretariat by the beginning of the meeting (25 June, 2009). The authors are allowed to use 6 and 4 printed pages respectively, for invited and proffered papers, corresponding to 4 800 and 3 200 words or word equivalent in tables and figures, except that authors may agree to pay page charges for pages over the limits.

Local Organising Committee
Anders Tingberg, chair
Kristina Bernhardsso
Sören Mattsson, Malmö, chair
Diana Adliene, Kaunas
Gudrun Alm-Carlsson, Linköping
Anja Almén, Stockholm
Ingvar Andersson, Malmö
Magnus Båth, Göteborg
Marie Claire Cantone, Milano
Dev Chakraborty, Pittsburgh
Neal Clinthorne, Ann Arbor
Mats Danielsson, Stockholm
Gernot Ebel, Göttingen
Keith Faulkner, Newcastle
Sören Holm, Copenhagen
Peter Leander, Malmö
Marko Mikuz, Ljubljana
Michael Moores, Liverpool
Lars Gunnar Måsson, Göteborg
Magdalena Rafecas, Valencia
Michael Sandborg, Linköping
Arne Skretting, Oslo
Anders Tingberg, Malmö
Eliseo Vahó, Madrid
Francis Verdun, Lausanne
Per Wollmer, Malmö
Maria Zankl, Munich

Others to be confirmed

We are looking forward to welcoming you and those accompanying you in Malmö!