

### Venue and accommodation

The workshop will take place at Oscarsborg Fortress. The scenic fortress has a dramatic history and is located on a small island in the Oslo fjord, just 5 minutes ferry-ride from the picturesque coastal town of Drøbak.

Accommodation for all workshop participants will be arranged at the Oscarsborg Hotel and Spa. Transportation will be organised between Oslo and Oscarsborg corresponding to the beginning and end of the workshop.

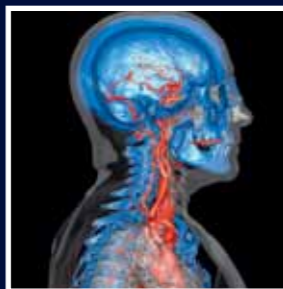
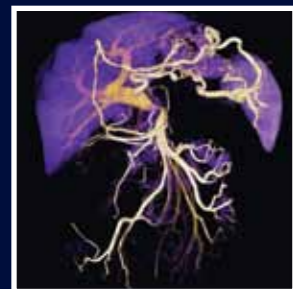
**Fortress:** [www.nasjonalefestningsverk.no/oscarsborg](http://www.nasjonalefestningsverk.no/oscarsborg)  
**Hotel:** [www.oscarsborghotel.no](http://www.oscarsborghotel.no)

### Workshop fee and registration

The fee will cover workshop materials, meals, and accommodation at Oscarsborg Hotel and Spa 7–10<sup>th</sup> June 2011.

Early registration	15 <sup>th</sup> Dec 2010	NOK 7500 (~ € 950)
Final registration	15 <sup>th</sup> Feb 2011	NOK 8000 (~ € 1000)

The number of participants will be restricted to a maximum of 100.



### Social program

The local host has the pleasure of inviting the participants on a guided tour of the Oscarsborg Fortress and a fjord cruise. The workshop dinner will be held at the fortress.

### Hosting society

European ALARA Network (EAN)

### Local host

Norwegian Radiation Protection Authority (NRPA)  
Chair of local organising committee: Eva G. Friberg

### Enquiries

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Phone: +47 67 16 25 00  
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Please follow the workshop website:  
<http://alara2011.nrpa.no>

## 13<sup>th</sup> European ALARA Network Workshop

# ALARA and the medical sector

**Oscarsborg Fortress, Norway**  
**7-10<sup>th</sup> June 2011**

First announcement

<http://alara2011.nrpa.no>

Photos: Nasjonale festningsverk, [www.visitfjollo.no](http://www.visitfjollo.no), Oscarsborg Hotel & Spa. Medical images: courtesy of Siemens Computed Tomography.



Statens strålevern  
Norwegian Radiation Protection Authority





# Welcome to the 13<sup>th</sup> EAN workshop

With increases in patient doses, associated increase in occupational exposures, development of new technologies, and the occurrence of serious incidents and accidents, the radiation protection challenges are mounting in the medical sector.

The aim of the workshop is to consider how the ALARA principle can be effectively implemented with regard to both patient and staff exposures in diagnostic and therapeutic uses of ionising radiation.

The workshop will be a platform, bringing together relevant European medical professionals, networks, and other stakeholders working with the ALARA principle, to exchange practical ideas and experiences and to identify further improvements related to better implementation of the optimisation principle in the medical sector.

Presentations will be given by invited speakers, highlighting the main issues. A significant part of the programme will be devoted to discussions within working groups. From these discussions, participants will be expected to produce recommendations on the practical implementation of ALARA in the medical sector.

## Organisations represented in the programme committee:

*The International Atomic Energy Agency (IAEA), the European Commission, International Radiation Protection Association (IRPA), the European Society of Radiology (ESR), the European Association of Nuclear Medicine (EANM), the European Society of Therapeutic Radiology and Oncology (ESTRO), the European Federation of Organisations of Medical Physics (EFOMP), the European Federation of Radiographer Societies (EFRS) and the European Radiation Dosimetry Group (EURADOS).*

## Workshop sessions

- **Introduction and scene setting**  
Initiatives of international organisations, European societies and networks.
- **Practical implementation of ALARA in the medical sector**  
Referral criteria and issues in justification; medical radiological procedures and optimisation; new medical devices and ALARA considerations; QA-activities and clinical audits.
- **Culture, competence and communication related to ALARA in the medical sector**  
National and international networking; education and training; the use of new tools (e-learning, web portals); regulatory approaches; audits; involvement of stakeholders.

## Working group topics

- **Challenges for the optimisation of patient and staff radiation protection in the medical sector**  
*Keywords:* Parameters for ALARA benchmarking, high-dose diagnostic and therapy procedures, socio-economic factors, reward systems, unnecessary exposure.
- **Policy and tools for implementing the ALARA principle in the medical sector**  
*Keywords:* Referral criteria, recommendations, standards and guidelines, audits, inspections, justification issues, DRLs.
- **Education, training and communication to improve ALARA in the medical sector**  
*Keywords:* ALARA-culture, multi-disciplinary and multi-media approach, key competences, harmonization issues, exchange of knowledge, networking.
- **Technical developments and quality assurance in the implementation of the ALARA principle in the medical sector**  
*Keyword:* Effective quality control, conception of equipments, costs, evidence base for new technology, hybrid systems, justification issues.

