

Organized by :



Organizing committee :

Christelle Huet (chair), Institut de Radioprotection et de Sûreté Nucléaire, France

Montse Moraleda (deputy), Centro de Investigaciones Energéticas, Medioambientales y Tecnológicas, Spain

Jon Eakins, United Kingdom Health Security Agency, United Kingdom

José-María Gómez-Ros, Centro de Investigaciones Energéticas, Medioambientales y Tecnológicas, Spain

Kerstin Hürkamp, EURADOS

Important dates :

Registration deadline: 26 August 2024

Payment of registration fee: 2 September 2024

School: 30 Sept-4 Oct 2024

Registration form at :

<https://eurados.sckcen.be/news-overview/pianoforte-tc-mesh-phantoms>

Registration fee :

Regular fee: **200 €**

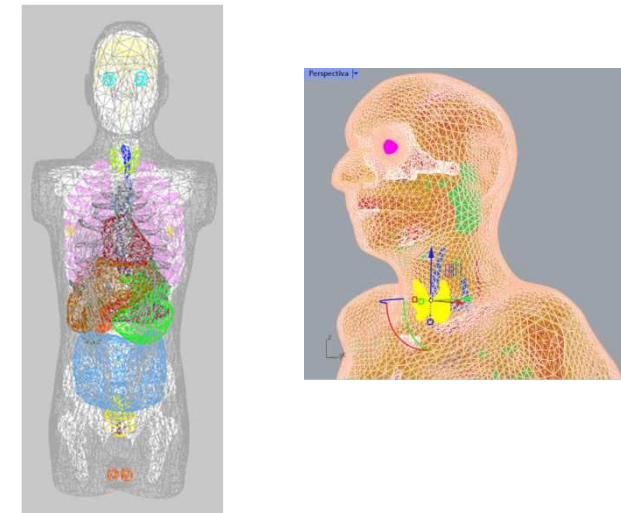
Reduced fee: **180 €** for participants from EURADOS sponsors

The registration fee will cover lunches, coffee breaks and a social dinner.



Pianoforte training course on MESH phantom development and implementation for radiation physics calculations

CIEMAT, Madrid, SPAIN
30 September – 4 October 2024



2nd Announcement

Purpose :

The PIANOFORTE school on MESH phantom development and implementation for radiation physics calculations is organised by EURADOS Working Group 6 "Computational Dosimetry". The school will give general and practical information on MESH phantoms, their development and implementation into several Monte Carlo code packages, as well as selected applications. The school will be composed of lectures, tutorials and practical exercises given by experts in the field.

Topics to be covered :

- General information on MESH phantoms
- Steps needed to go from image data to a MESH phantom
- ICRP 145 Adult mesh-type reference computational phantoms
- Animation of MESH phantoms
- Implementation in different Monte Carlo codes (prospectively: MCNP family, Geant4, PHITS)
- Dosimetric calculations with MESH phantoms

Lecturers :

Chansoo Choi, Korea
Jonathan Eakins, UK
Josè-Maria Gómez-Ros, Spain
Christelle Huet, France
Chan Hyeong Kim, Korea
Hyeonil Kim, Korea
Suhyeon Kim, Korea
Pasquale Lombardo, Belgium
Montse Moraleda, Spain
Reid Townson, Canada
Bangho Shin, Korea
Gahee Son, Korea
Yeon Soo Yeom, Korea

Contact :

Kerstin Hürkamp
office@eurados.org



Organisation details :

The maximum number of participants is 35. Registrations will be accepted on first come – first serve basis.

Participants should come with their own laptops. A list of free software to be installed before the course will be communicated to the participants.

Length of the course :

4.5 days (Monday afternoon-Friday) for a total of about 31 hours with **a large part dedicated to hands-on practical work.**

Target population :

The school is intended for scientists who are new in the field and those who want to deepen and widen their knowledge. PhD students, Post Doc fellows, with a radiation physics background. Researchers in radiation physics and medical physicists.