Organized by :

GOBIERNO DE ESPAÑA MINISTERIO DE CIENCIA, INNOVACIÓN Y UNIVERSIDADES

Ciemat Centro de Investigaciones Energéticas, Medioambientales y Tecnológicas

IRSN INSTITUT DE RADIOPROTECTION ET DE SÛRETÉ NUCLÉAIRE

UK Health Security Agency

EURADOS

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.

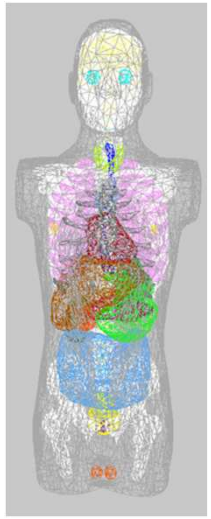
PIANOFORTE EUROPEAN PARTNERSHIP FOR RADIATION PROTECTION RESEARCH

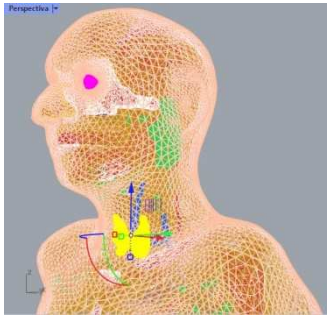
Co-funded by the European Union

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

Bangho Shin, Korea

Gahee Son, Korea

Yeon Soo Yeom, Korea

Contact :

Kerstin Hürkamp

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PIANOFORTE
EUROPEAN PARTNERSHIP FOR RADIATION PROTECTION RESEARCH

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.