

FIRST announcement

# EURADOS Annual Meeting 2024

## AM2024

Oxford, United Kingdom, 8<sup>th</sup> to 11<sup>th</sup> April 2024



### Including

- EURADOS School on “The importance of dosimetry in innovative medical applications”
- Meetings of the EURADOS Working Groups
- WG2 Learning Network
- Training Course on “Monte Carlo modelling: basic concepts, available resources, and applications in radiological protection”
- Early career event
- EURADOS General Assembly and Council Meeting

## Invitation

I am probably biased, but for me the EURADOS Annual Meeting is the most important meeting of the year. So I am very happy to invite you all to our next Annual Meeting in Oxford, UK. The meeting will be from 8<sup>th</sup> to 11<sup>th</sup> of April, and the schedule is combining statutory meetings with Working Group meetings, an interesting EURADOS School on the importance of dosimetry in innovative medical applications, and a Training Course on “Monte Carlo modelling: basic concepts, available resources, and applications in radiological protection”. And of course, there is a prominent place for the conference dinner and welcome reception. You can see that we are moving back towards having the Annual Meeting as a winter event, the main reason being to avoid overlap with many other events and meetings. And winter time can be nice and enjoyable as well, there is no bad weather, only bad clothes...

EURADOS is and remains very active, year after year. The Annual Meeting will reflect this, and we try to show and combine all our activities in this week. The specific format of the Annual meeting combines networking with scientific presentations, and gives a central role for the working group activities. The whole week you will be able to exchange experiences, learn and discover new scientific work, network with peers, and set up actions to improve and harmonise dosimetry in all applications.

The 2<sup>nd</sup> announcement, scheduled for January, will provide more details on the agenda of the main and side events.

We look forward to seeing many colleagues from the EURADOS network and many others interested in the AM2024 in Oxford.

Filip Vanhavere  
*EURADOS Chairperson*



## Agenda of EURADOS Annual Meeting 2024

Time	Monday 08.04.2024	Tuesday 09.04.2024	Wednesday 10.04.2024	Thursday 11.04.2024	Friday 12.04.2024		
08.00-09.00		Registration	Registration	Registration			
09.00-09.30	Council meeting	WG meetings	WG meetings	17 <sup>th</sup> EURADOS School	Council meeting	Training Course	
09.30-10.00							
10.00-10.30							
10.30-11.00	Coffee break	Coffee break	Coffee break	Coffee break	Coffee break		
11.00-11.30	Council meeting	WG meetings	WG meetings	17 <sup>th</sup> EURADOS School	Council meeting	Training Course	
11.30-12.00							
12.00-12.30							
12.30-13.00	Registration	Lunch	Lunch	Lunch	Lunch		
13.00-13.30							
13.30-14.00	WG meetings	WG meetings	WG2 Learning network	36 <sup>th</sup> EURADOS General Assembly	17 <sup>th</sup> EURADOS School		
14.00-14.30							
14.30-15.00							
15.00-15.30							
15.30-16.00	Afternoon tea	Afternoon tea	Afternoon tea	Afternoon tea			
16.00-16.30	WG meetings	WG meetings	WG2 Learning network	36 <sup>th</sup> EURADOS General Assembly	17 <sup>th</sup> EURADOS School		
16.30-17.00							
17.00-17.30							
17.30-18.00							
18.00-18.30							
18.30-19.00	Welcome drink						
19.00-19.30							
as of 19:30		Early career event	Social Dinner				

## Important dates

- |   |   |
|---|---|
| > Opening of the registration platform          | 18 <sup>th</sup> December 2023                |
| > 2 <sup>nd</sup> announcement                  | January 2024                                  |
| > Deadline for early registration (reduced fee) | 26 <sup>th</sup> February 2024                |
| > Launch of the Whova conference app            | beginning of March 2024                       |
| > Deadline for registration                     | 25 <sup>th</sup> March 2024                   |
| > EURADOS Annual Meeting 2024                   | 8 <sup>th</sup> - 11 <sup>th</sup> April 2024 |
| > Training Course (WG6)                         | 12 <sup>th</sup> April 2024                   |

## 17<sup>th</sup> EURADOS School

### The importance of dosimetry in innovative medical applications

Thursday, 11<sup>th</sup> April 2024

#### Scope

Since their initial discovery in 1895, X-rays provided a sound contribution in developing medical practices. Their first application dates back to 1896 when battlefield physicians began using them, only six months after their revelation, and their use increased rapidly. The amazing physics discoveries of the beginning of the 20<sup>th</sup> century, besides opening a new world of radiation, atoms and particles, brought to medical practice other powerful tools for medical imaging and the treatment of various diseases, including tumours. The rapid spread of these applications has been accompanied by continuous technological development that led to CT, LINAC and radiopharmaceuticals implementation. And on the side of radiation detection and dosimetry, the original etched film and fluoroscopic tubes have given way to solid state and digital imaging equipment.

Today new technologies and modalities are entering the clinics, such as Flash Therapy or spatially fractionated radiotherapy and new radiopharmaceuticals in theranostics, posing new challenges to radiation dosimetry matter. They require new knowledge and a better understanding of the underlying physical phenomena. The dosimetric issues related to these emerging techniques and new modalities (innovative procedures associated with a “traditional” practice, e.g. small fields in RT or sub-mSv CT) require new and updated skills.

With the intention to offer an overview of some of the latest developments in this field, EURADOS AM2024 Spring School is aimed at giving the status of the art, focusing on the dosimetric aspects these new medical practices imply.

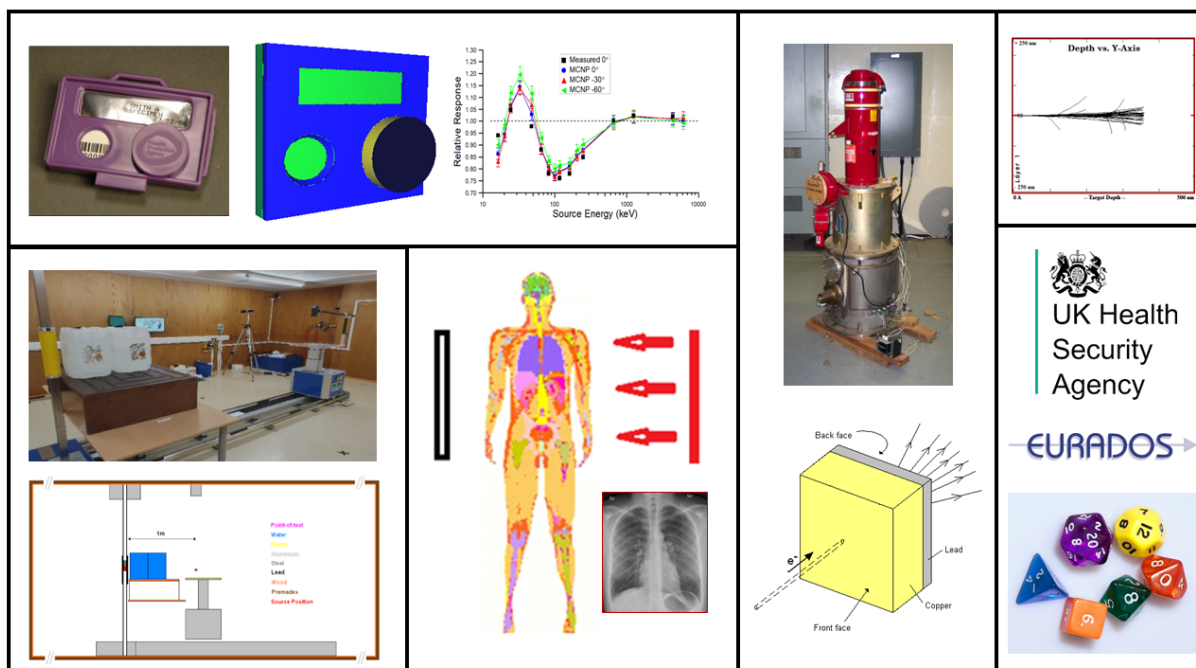
The topics of the school will try to cover the different elements and levels of the problem, from radiobiology and risk assessment questions, charged particle tracking in a microdosimetry framework, the matter of detecting fast pulsed radiation, the development of suitable dosimetry for multi-modal applications and the role of new numerical techniques in evaluating an accurate dose distribution in the patient.

#### Scientific Committee

- Liz Ainsbury (UK Health Security Agency – UKHSA, United Kingdom)
- David Broggio (Institut de Radioprotection et de Sûreté Nucléaire – IRSN, France)
- Paolo Ferrari (Italian National Agency for New Technologies, Energy and Sustainable Economic Development – ENEA, Italy)
- Weibo Li (Federal Office for Radiation Protection - BfS, Germany)
- Liliana Stolarczyk (Danish Centre for Particle Therapy at the Aarhus University Hospital, Denmark and Cyclotron Centre Bronowice Institute of Nuclear Physics PAN, Poland)
- Rick Tanner (UK Health Security Agency – UKHSA, United Kingdom)
- Filip Vanhavere (Belgian Nuclear Research Centre – SCK CEN, Belgium)

## EURADOS Training Course (WG6): "Monte Carlo modelling: basic concepts, available resources, and applications in radiological protection"

Friday, 12<sup>th</sup> April 2024



We invite you to participate in the **EURADOS WG6 Training Course on "Monte Carlo modelling: basic concepts, available resources, and applications in radiological protection"**, which will be held on **Friday, 12<sup>th</sup> April 2023 from 9:00-12:30** as a side-event to the EURADOS Annual Meeting in Oxford, UK.

Monte Carlo modelling is a very widely used technique in radiological protection that can determine the passage and effects of radiation through matter, with applications spanning an enormous range of topics and contributing results to all of the EURADOS Working Groups. However, the Monte Carlo approach is not always well understood by those researchers who are not actively involved in it. The upcoming EURADOS short course aims to address this, by providing introductory lectures that explain what the Monte Carlo method is, summarize some of the computer codes that are available to achieve its ends, and highlight the large variety of projects that have benefited from its input. The course is aimed at individuals who have little or no experience of Monte Carlo calculations, but would be curious to learn how it could potentially enhance their areas of work.

### TC Participation fee

**Participation fee** (no online participation possible) will be **125 €** with a 10 % discount (fee of **100 €**) for **EURADOS sponsor organisations** (see [www.eurados.org/sponsors](http://www.eurados.org/sponsors)).

The registration and participation fee for this Training Course are independent on the registration and fee for the participation in the Annual Meeting. More details on the course and registration procedure will be given in the 2<sup>nd</sup> announcement, which will be published in January 2023 and on our website.



## Venue and transportation

The EURADOS Annual Meeting 2024 will take place at:

**Examination Schools, Oxford University**

75-81 The High Street

Oxford, OX1 4BG

<https://www.venues.ox.ac.uk/our-venues/examination-schools/>



<https://maps.ox.ac.uk/>

<https://www.accessguide.ox.ac.uk/examination-schools>

### *How to reach the venue*

#### *By Air*

London Heathrow Airport: The nearest major international airport to Oxford is Heathrow. The best method of getting to Oxford is the Oxford Airline bus, which takes you to central Oxford. There are also trains departing from Terminal 5 which go to Oxford, with one or two changes required. You can take a taxi to Oxford, which takes approximately 60-90 min depending on traffic.

London Gatwick Airport: Another option is Gatwick Airport, located south of London. From Gatwick, the Oxford Airline bus is the best option. From Gatwick, you can take a train to Oxford, which usually involves a change at Reading or London Paddington. The total journey time is around 2-3 h.

Birmingham International Airport: has direct trains from the terminal to Oxford Station, journey time about 60 min.

#### *By Train*

Oxford railway station is approximately a 20 min walk away or 10 min by taxi. Bikes can be hired at the train station or around the city.

#### *By Bus*

The nearest bus stop and airport bus stops are on the High Street just outside the Examination Schools (Queen's Lane stop).

### By Car

There is no car parking on-site so we recommend using the park and ride system. Alternatively car parks are available across the city. The nearest one is St. Clements.

## Local organisation

UK Health Security Agency (UKHSA)

- > Nicky Gibbens
- > Kerry Whiteway
- > Kinga Zmijewska

Email: [eurados2024@ukhsa.gov.uk](mailto:eurados2024@ukhsa.gov.uk)

### Please note

EU citizens need a valid passport to enter the United Kingdom!

## Registration

Please register online (**after** 15<sup>th</sup> December 2023) via [www.eurados-registration.org](http://www.eurados-registration.org)

## Conference fee<sup>1)</sup>

Registration and payment <b><u>latest</u> on 26<sup>th</sup> February 2024</b>	Registration and payment <b><u>after</u> 26<sup>th</sup> February 2024</b>
Full Fee: 350 € Reduced Fee <sup>2)</sup> : 300 €	Full Fee: 475 € Reduced Fee <sup>2)</sup> : 425 €

<sup>1)</sup> The registration fee is waived for retired persons, but online registration is mandatory.

<sup>2)</sup> Reduced fee for participants from EURADOS sponsoring institutions (see [www.eurados.org/sponsors](http://www.eurados.org/sponsors)).

The fee includes participation in all events of AM2024, coffee breaks, lunches (on Tue, Wed and Thu), the welcome drink (on Mon) and conference dinner (on Wed), except for the Training Course on Friday morning.

## Accommodation

EURADOS has reserved accommodation in St. Catherine's college, as cost of staying in hotels in Oxford are quite expensive and there is an increasing lack of availability due to another international conference taking place at the same time. We do think it may be a popular venue to stay given the reduced cost. It is in a 12 min walking distance to the AM2024 venue.

### St. Catherine's College, Oxford University, Manor Road, Oxford. OX1 3UJ

The College welcomes guests to experience the calm of their beautiful grounds through Bed & Breakfast accommodation. Indulge in the comfort of the simple, light-filled single study bedrooms, which are usually occupied by students during term time. These rooms showcase views of our lawned quadrangle, gardens, trees, river, or meadows, allowing you to reconnect with nature while enjoying modern amenities. When lodging overnight, guests also have greater opportunity to connect and network with other EURADOS AM attendees.

Breakfast will be served as of 7:45 in the mornings (8:00 on Monday).

The rooms have ensuite facilities, as well as wired and wireless internet access, tea and coffee-making facilities, linen, towels and toiletries. Smoking is not allowed inside the rooms.

Hair dryers, Ethernet cables and adaptors can be hired/purchased from the Porter's Lodge.



## Travel to St. Catherine's College (St. Catz)

### *Rail services*

Trains run at least once an hour between Oxford and London, and twice an hour during peak times. Oxford is also on the main cross-country routes.

### *Coach/bus*

There are frequent buses, 24 h a day, between London (Victoria Bus Station) and Oxford, run by the Oxford Bus Company and the Oxford Tube. There are also direct and regular services to Oxford from Heathrow and Gatwick airports operated by the Oxford Bus Company. Coach services from other parts of the country are available with National Express and other providers.

### *On foot*

St Catherine's is on the edge of the City Centre and we recommend that visitors arriving at the bus or train station take a taxi to the College, especially if they are bringing luggage. Walking from the City Centre to St Catherine's will take 15-20 min or from the train station around 25-30 min.



### *By car*

St Catz is situated at the end of Manor Road. The postcode for a Sat Nav is OX1 3UJ. We recommend that people driving to Oxford use the Park and Ride service. There is limited parking available, usually reserved for disabled guests, which must be booked in advance.

### **Booking of accommodation at St. Catherine's College (via EURADOS Office)**

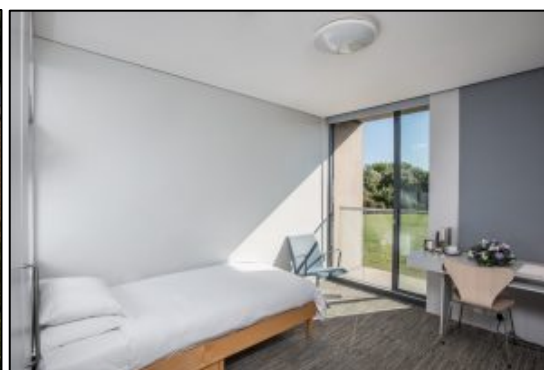
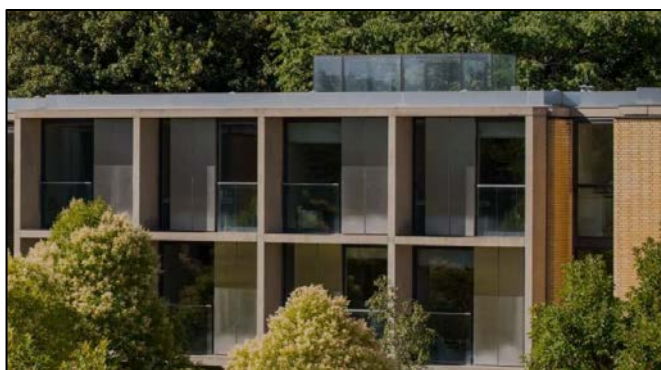
Up to 150 single B&B rooms per night were pre-booked by EURADOS between Sunday 7<sup>th</sup> and Friday 12<sup>th</sup> April 2024. Extended stays for additional nights or the booking of twin rooms cannot be offered by EURADOS, but St. Catherine's can be contacted directly for this:

Website: <https://www.catzconferences.com/stay-with-us/accommodation>

E-mail: [catz.conferences@stcatz.ox.ac.uk](mailto:catz.conferences@stcatz.ox.ac.uk)

Tel: +44 1865 271717

**The price per single room incl. breakfast is 135 € (incl. 20 % VAT) per night.**



Booking is possible on the EURADOS website:

<https://eurados.sckcen.be/events-overview/eurados-annual-meeting-2024-oxford-uk>

**The booking is independent of the registration for the participation in the Annual Meeting!**  
You will be issued a separate invoice that has to be paid in advance before 25<sup>th</sup> March 2024 by bank transfer (no credit card payment possible).

Cancellations are also only accepted by this date. Reservations will be cancelled after this date, if the payment has not arrived.

### **Enquiries on registration and payment**

Kerstin Hürkamp  
EURADOS Office  
Ingolstädter Landstraße 1  
85764 Oberschleißheim  
Germany  
phone: +49 30 18333 2531  
Email: [office@eurados.org](mailto:office@eurados.org)