

FIRST announcement

EURADOS Annual Meeting 2022

AM2022

Belgrade, Serbia, 31st January to 04th February 2022



Including:

- Winter School on “Computational methods in dosimetry”
- Meetings of EURADOS Working Groups
- WG2 Learning Network
- IC2019_{ext, eye} and IC2020_{ph} participant meetings
- EURADOS General Assembly and Council Meeting

INVITATION

For nearly twenty years, the EURADOS Annual Meetings have been a key event on the agenda of the community working in the field of ionising radiation dosimetry. It has become a tradition to combine the statutory actions of EURADOS with the meetings of EURADOS working groups as well as with events of general interest such as the EURADOS Winter School or workshops on particularly important topics in dosimetry.

Last year we had to switch to a virtual meeting because the COVID virus ruled the world. Many meetings were successfully replaced by virtual meeting during the pandemic, and this trend will continue for years to come. Also the virtual Annual Meeting last year was successful, with a record number of participants. But we believe that it is important to physically meet all your colleagues from time to time, to enhance networking and discussions. So we decided to have a “live” meeting again in 2022. COVID has not disappeared yet, but we are confident that it will be possible to hold an on-site meeting in Belgrade beginning of 2022. We will make sure to respect all COVID rules in Serbia and the EC, and as such we want to gather the whole dosimetry community again live in our Annual Meeting.

And it will not be just another Annual Meeting... We celebrate this year our 40th Anniversary! The first preparatory meetings of EURADOS took place in 1981, and EURADOS was officially founded in 1982. During these 40 years we have grown to a mature and very active network and community, and we will organise some special events during the Annual Meeting to celebrate this. More details will be given in the 2nd announcement.

As for the practicalities, the next EURADOS Annual Meeting, AM2022, will be held from 31 January to 04 February 2022 at the Hotel M in Belgrade, Serbia. The meeting includes the 15th EURADOS Winter School devoted this year to computational methods in dosimetry. The general agenda is summarised in the table below. The 2nd announcement, scheduled for mid-November, will provide more details on the agenda and registration.

We look forward to seeing many colleagues from the EURADOS network and many others interested in the AM2022 in Belgrade.

Filip Vanhavere,
EURADOS Chairperson



Agenda of EURADOS Annual Meeting 2022

Time	Monday 31.01.2022	Tuesday 01.02.2022	Wednesday 02.02.2022	Thursday 03.02.2022	Friday 04.02.2022			
08.30-09.00		<u>Registration</u>	<u>Registration</u>	<u>Registration</u>				
09.00-09.30	EURADOS Council ¹⁾ and optional WG meetings	WG meetings ²⁾³⁾	WG meetings ²⁾	15 th EURADOS Winter School ⁵⁾	Belgrade sightseeing			
09.30-10.00								
10.00-10.30								
10.30-11.00		Coffee break	Coffee break	Coffee break				
11.00-11.30								
11.30-12.00		WG meetings ²⁾³⁾	WG meetings ²⁾	15 th EURADOS Winter School ⁵⁾				
12.00-12.30								
12.30-13.00	<u>Registration</u>	Lunch	Lunch	Lunch				
13.00-13.30								
13.30-14.00	WG meetings ²⁾	WG meetings ²⁾⁴⁾	33 rd EURADOS General Assembly	15 th EURADOS Winter School ⁵⁾	EURADOS Council ¹⁾			
14.00-14.30								
14.30-15.00								
15.00-15.30			Coffee break	Coffee break		Coffee break		
15.30-16.00								
16.00-16.30	WG meetings ²⁾	WG meetings ²⁾⁴⁾	33 rd EURADOS General Assembly					
16.30-17.00								
17.00-17.30								
17.30-18.00								
19.00-20.00	Welcome drink							
From 20:00			Conference dinner					

¹⁾Additional Council meeting on Sunday afternoon

²⁾Meetings of all 8 WGs in parallel

³⁾WG2 Learning Network in parallel

⁴⁾IC2019_{ext,eye} and IC2020_{ph} participant meetings in parallel

⁵⁾Winter school topic: Computational Methods in Dosimetry (see page 4)

IMPORTANT DATES

- > 2nd announcement and call for registration 10 November 2021
- > Deadline for early registration (reduced fee) 13 December 2021
- > Deadline for registration 19 January 2022
- > EURADOS Annual Meeting 2022 31 January - 04 February 2022

15th EURADOS Winter School

Computational Methods in Dosimetry State of the Art and Emerging Developments

Thursday, 3rd February 2022

Scope

Computational methods play an important role in many fields of radiation research and dosimetry. Examples range from radiation transport and track structure simulations by Monte Carlo methods to unfolding techniques (e. g. to derive neutron energy distributions from experimental data). Radiation transport simulations are widely used for the design, optimisation, and analysis of experiments and together with track structure simulations are an important tool for understanding radiation effects and radiation risk. The radiation protection quantities are defined in anthropomorphic computational phantoms and can only be calculated via Monte Carlo simulations.

In the medical field, the move towards personalized medicine implies an important role for patient-specific dosimetry that involves increasingly complex computations and development of numerical phantoms taking into account individual variability of the persons to be examined or treated. Other important developments are approaches to monitor personal doses in real-time by computational methods and the increasing use of methodologies based on artificial intelligence.

Many of the modern codes used in computational dosimetry have been developed in recent years to the point where performing simulations, deconvolving spectra, etc., have become seemingly simple tasks that do not require expertise to obtain results. However, a series of intercomparison exercises organised in recent years by EURADOS WG6 “Computational Dosimetry” revealed tremendous deviations of reported results prior and posterior to respective feedback.

The fundamental theme of the Winter School will therefore be the question of reliability of computations in dosimetry, including aspects like the increasing digitisation of measurement instruments and certificates. All lectures will be given by internationally well-known scientists who are involved in the field. Participants will receive a certificate of attendance.

Topics

- EURADOS Intercomparisons in Computational Dosimetry
- Novel approaches and computational tools
- Digitisation in Radiation Protection
- Artificial Intelligence in Radiation Dosimetry

Scientific Committee

- Hans Rabus (Physikalisch-Technische Bundesanstalt – PTB, Germany)
- Marie-Anne Chevallier (Institut de Radioprotection et Sûreté Nucléaire – IRSN, France)
- Rick Tanner (UK Health Security Agency – UKHSA, United Kingdom)
- Filip Vanhavere (Nuclear Research Centre – SCK CEN, Belgium)

Venue and transportation

The EURADOS Annual Meeting 2022 will take place at:

Hotel M

Bulevar Oslobođenja 56
11000 BELGRADE

GPS: 44.768192, 20.476302

<http://www.hotel-m.com/en/>



<http://www.hotel-m.com>



<http://www.hotel-m.com>

How to reach the Venue from Belgrade Airport "Nikola Tesla"

Take the minibus line A1 from airport to Slavia square (King Milutin street) and then from Slavia square (Bircaninova street) take the bus line 401, 402, 47 or 48 and exit at station Fakultet organizacionih nauka and then walk for 500 m forward to hotel.

Nota bene: The price ticket for OW ride from airport to Slavia square is 300 dinars and it is paying in the bus, to the driver. The price ticket for OW ride from Slavia square to station Fakultet organizacionih nauka is 150 dinars and it is paying in the bus, to the driver.

Map for the walk from bus station Fakultet organizacionih nauka to Hotel M (500 m):

<https://maps.app.goo.gl/sLiCjrpioknSbKPH6>

Local organisation

- > Jelena Pajić (SIOH)
- > Jovana Ilić (SIOH)

Contact

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Registration

Registration should be done online (**after** the 2nd announcement) via www.eurados-registration.org.

Conference fee¹⁾

Registration and payment latest 13 December 2021	Registration and payment after 13 December 2021
Full Fee: 300 €	Full Fee: 375 €
Reduced Fee ²⁾ : 250 €	Reduced Fee ²⁾ : 325 €

In case of cancellation of the on-site event because of Covid, registration fees and hotel reservations will be refunded to all participants.

The fee includes participation in all events of AM2022, coffee breaks, lunches (on Tue, Wed and Thu), the cocktail (on Mon), conference dinner (on Wed), and the excursion (on Fri).

Enquiries on registrations & payments:

Kerstin Hürkamp

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¹⁾ There is no registration fees for retired persons but the registration is mandatory.

²⁾ Reduced fee for participants from sponsoring institutions (see www.eurados.org → Sponsors).