

First Announcement

# EURADOS Annual Meeting 2019

## AM2019

Łódź, Poland, 11<sup>th</sup> to 14<sup>th</sup> February 2019



**Including:**

- Winter School "Radon: Dosimetry, Metrology and Regulation"
- Meetings of EURADOS Working Groups
- EURADOS General Assembly and Council Meeting



## Invitation

Since 2002 EURADOS Annual Meetings (AM) are key elements in the agenda of the community working in the field of ionising radiation dosimetry. It has become a tradition to combine statutory actions of EURADOS with meetings of EURADOS Working Groups and also with events of general interest such as the EURADOS Winter School or a workshop dedicated to a topic of particular importance.

The AM2019 will take place from 11<sup>th</sup> to 14<sup>th</sup> February 2019 at LUT Sports and Education Centre "Sports Bay" of Łódź University of Technology. The meeting includes the 12<sup>th</sup> EURADOS Winter School "Radon: Dosimetry, Metrology and Regula-

tion". It is planned to provide all presentations of this event on the EURADOS website.

The table below summarizes the overall agenda. More details on AM2019 will be provided in the 2<sup>nd</sup> announcement and call for registration, planned for mid November. We hope that you can allocate the week in your agenda already now.

We look forward to seeing many colleagues from the EURADOS network and many other persons interested in the topics of AM2019 in Łódź.

Werner Rühm,  
Chairperson EURADOS

## EURADOS Annual Meeting 2019

Time	Monday 11.02.2019	Tuesday 12.02.2019	Wednesday 13.02.2019	Thursday 14.02.2019
08:30-09:00		Registration	Registration	Registration
09:00-09:30	<b>EURADOS Council<sup>1)</sup></b>	<b>WG meetings<sup>2,3)</sup></b>	<b>WG meetings<sup>2)</sup></b>	<b>12<sup>th</sup> EURADOS Winter School<sup>5)</sup></b>
09:30-10:00		Coffee break	Coffee break	Coffee break
10:00-10:30		<b>WG meetings<sup>2,3)</sup></b>	<b>WG meetings<sup>2)</sup></b>	<b>12<sup>th</sup> EURADOS Winter School</b>
10:30-11:00		Lunch	Lunch	Lunch
11:00-11:30				
11:30-12:00				
12:00-12:30	Registration	Lunch	Lunch	Lunch
12:30-13:00				
13:00-13:30				
13:30-14:00	<b>WG meetings<sup>2)</sup></b>	<b>WG meetings<sup>2,4)</sup></b>	<b>31<sup>st</sup> EURADOS General Assembly</b>	<b>12<sup>th</sup> EURADOS Winter School</b>
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	<b>WG meetings<sup>2)</sup></b>	<b>WG meetings<sup>2,4)</sup></b>	<b>31<sup>st</sup> EURADOS General Assembly</b>	
16:30-17:00				
17:00-17:30				
17:30-18:00	<b>Welcome drink</b>			

<sup>1)</sup> Additional Council meetings Sun 15:00 and Fri 09:00

<sup>2)</sup> Meetings of all 8 WGs in parallel

<sup>3)</sup> IC2017n and IC2018ph Meetings in parallel

<sup>4)</sup> Learning Network in parallel

<sup>5)</sup> Topic: Radon: dosimetry, metrology and regulation

**Conference Dinner**

## Important dates

- > 2<sup>nd</sup> announcement and call for registration 15 November 2018
- > Deadline for early registration (reduced fee) 14 January 2019
- > Deadline for registration 04 February 2019
- > EURADOS Annual Meeting 2019 11-14 February 2019



## 12<sup>th</sup> EURADOS Winter School

### "Radon: Dosimetry, Metrology and Regulation"

14<sup>th</sup> February 2019

#### Scope:

The COUNCIL DIRECTIVE 2013/59/EURATOM of 5 December 2013 laying down basic safety standards for protection against the dangers arising from exposure to ionising radiation addresses radon at workplaces and at homes: Radon is directly addressed in the Basic Safety Standards Directive through Article 54 concerning workplace radon levels, Article 74 concerning indoor radon levels, and Article 103 for the national action plan. The new directive brings significant changes, with respect to the former Directive 96/29/Euratom, in terms of protection measures related to exposures due to the inhalation of radon progeny not only in work environments but also in dwellings. The member states had 4 years (deadline 2018) to implement these regulations in their legislation. Consequently, several member states have developed new regulations and have encouraged metrological centers to develop the facilities for a quality measurement system according to the rules of the new directive.

Although protection against radon is primarily based on measurement and optimisation, dose estimates are required for workers if, despite optimisation, radon levels in a workplace remain above the national reference level (ICRP 126). Effective doses arising from unit exposure to radon and its progeny have been calculated using either dosimetric models or using the so-called 'epidemiological approach'. Both approaches give consistent results within their associated uncertainties (ICRP 137). Taking account of both methods, ICRP have recently recommended a single reference dose coefficient to be used, in most circumstances, for workers in buildings and in underground mines. Reference values are also given for specific situations of indoor work involving substantial physical activity, and for workers in tourist caves (ICRP 137). In special cases, where exposure conditions are non-typical, where sufficient, reliable aerosol data are available, and estimated doses are likely to be high, site-specific dose coefficients can be calculated using the dosimetric data provided in ICRP 137. This would require a careful analysis of the European workplaces with a coordinated action with an expert group performing field measurements for dose assessments.

Radon is not only a radiological protection concern, but it is also used as a tracer. One of the most promising applications is its use to improve the evaluation of the green houses emissions.

All lectures will be given by internationally well-known scientists who are involved in the radon field. Participants will receive a certificate of attendance.

#### Topics:

- > Radon dosimetry: ICRP lung model and microdosimetry.
- > Lung cancer risk: Epidemiological studies.
- > Standards and Regulations.
- > Metrology of radon and radon progeny.
- > Measurement campaigns.
- > Radon as atmospheric tracer.

#### Scientific Committee:

- > Arturo Vargas (UPC, Spain)
- > Annette Röttger (PTB, Germany)
- > James Marsh (PHE, UK)
- > Pawel Olko (IFJ PAN, Poland)



## Venue and transportation

The EURADOS Annual Meeting 2019 takes place at

LUT Sports and Education Centre "Sports Bay"  
and neighbouring buildings in Campus B of Łódź  
University of Technology  
Politechnika Łódzka  
al. Politechniki 10  
93-590 ŁÓDŹ

There are regular flights to Lodz Airport from Munich, London and some other European cities ([www.airport.lodz.pl](http://www.airport.lodz.pl)). The largest Polish airport (Warsaw Chopin Airport) has convenient connection with Łódź by train and bus services. Łódź is located at the junction of A1 and A2 motorways.

The University Campus is located not far from the city centre and the main train and bus stations. There are some hotels in a walking distance.

The majority of the meetings will be held in the Sports Bay. Some of the rooms are available in the neighbouring building – Language Learning Centre. The EURADOS General Assembly will be held in the Auditorium building close to the Sports Bay. The LUT Campus has convenient public-transportation connections with the city.

## Local organisation

- > Dariusz Kluszczyński – chair (NCRPHC)
- > Witold Nykiel – co-chair (LUT)
- > Przemyslaw Piotr Solarek (LUT)
- > Katarzyna Jeziorska (NCRPHC)
- > Piotr Pankowski (NCRPHC)
- > Anna Błaszczuk (NCRPHC)

## Contact

Dariusz Kluszczyński  
National Centre for Radiation Protection  
in Health Care  
ul. Smugowa 6  
91-433 Łódź  
email: [klud@kcor.gov.pl](mailto:klud@kcor.gov.pl)



## Registration

Registration should be done online (after the 2<sup>nd</sup> announcement) via [www.eurados.org](http://www.eurados.org).

## Conference fee

registration and payment <u>latest</u> 14 January 2019	registration and payment <u>after</u> 14 January 2019
Full Fee: 300 €	Full Fee: 375 €
Reduced Fee <sup>1)</sup> : 250 €	Reduced Fee <sup>1)</sup> : 325 €

The fee includes participation in all events of AM2019, coffee breaks, lunches (on Tue, Wed and Thu) and conference dinner (on Wed).

## Enquiries on registrations & payments:

Judith Brehme  
EURADOS Office  
Postfach 1129  
D-85758 Neuherberg  
phone: +49 89 3187 4011  
Email: [office@eurados.org](mailto:office@eurados.org)

<sup>1)</sup> Reduced fee for participants from sponsoring institutions (see <http://www.eurados.org/en/Sponsors>)