

First announcement

EURADOS Annual Meeting 2018

AM2018

Lisbon, 5th to 8th February 2018



Including:

- Winter School "Application of physical and computational phantoms in dose assessment"
- 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 AM2018 will take place from 5th to 8th February 2018 at the Centre of Congress of IST in Lisbon, Portugal. The meeting includes the 11th EURADOS Winter School "Application of physical and computational phantoms in dose assess-

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

The table below summarizes the overall agenda. More details on AM2018 will be provided in the 2nd 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 also many other persons interested in the topics of AM2018 in Lisbon.

Werner Rühm,
Chairperson EURADOS

EURADOS Annual Meeting 2018

Time	Monday 05.02.2018	Tuesday 06.02.2018	Wednesday 07.02.2018	Thursday 08.02.2018
08:30-09:00		Registration	Registration	Registration
09:00-09:30	EURADOS Council ⁴⁾	WG meetings ²⁾	WG meetings	11 th EURADOS Winter School ³⁾
09:30-10:00				
10:00-10:30		Coffee break	Coffee break	Coffee break
10:30-11:00		WG meetings ²⁾	WG meetings	11 th EURADOS Winter School
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	WG meetings ¹⁾	WG meetings ²⁾	EURADOS General Assembly	11 th EURADOS Winter School
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	WG meetings ²⁾	EURADOS General Assembly	
16:30-17:00				
17:00-17:30				
17:30-18:00				

¹⁾ Meetings of all 8 WGs in parallel

²⁾ IC2017n Meeting and Learning Network in parallel

³⁾ Topic: Application of phantoms in dose assessment

⁴⁾ Additional Council meetings Sun 15:00 and Fri 09:00

Conference Dinner

Important dates

- > 2nd announcement and call for registration 15 November 2017
- > Deadline for early registration (reduced fee) 10 January 2018
- > Deadline for registration 30 January 2018
- > EURADOS Annual Meeting 2018 05-08 February 2018

11th EURADOS Winter School

"Application of physical and computational phantoms in dose assessment"

8th February 2018

Scope:

Phantoms are used as replacements for the body in the dosimetry of ionizing radiation. They are indispensable tools for dose assessment in radiation protection and radiotherapy, either as physical phantoms employed in measurements or as computational phantoms used for numerical dosimetry. Measurements may need a physical phantom to produce results that are representative of dose deposition in a person but in some instances, measurement is not possible so computational phantoms are required.

The complexity of phantoms ranges from very simple geometries for calibration purposes to very complex geometries which include organs and tissues of the body in great detail. The latter type is used in radiotherapy in conjunction with treatment planning system algorithms for dose verification, the determination of critical organ and tissue doses, and for Quality Assurance.

The Winter School will give insight into the various phantoms used in different applications and demonstrate how they contribute to the improvement of dose assessment. Emphasis will be given to recent developments which are made possible by advances in the numerical tools that are now available and by increases in computational speed.

All lectures will be given by internationally well-known scientists who are involved in the development or application of phantoms in dose assessment. Participants will receive a certificate of attendance

Topics:

- > Mathematical representations of humans
- > Application of phantoms in medical imaging
- > Phantoms in radiotherapy
- > Applications of phantoms for internal dosimetry
- > Phantoms for space applications
- > Phantoms for radioecology
- > Phantoms for metrology

Scientific Committee:

- > Rick Tanner (PHE, UK)
- > Isabelle Clairand (IRSN, France)
- > Roger Harrison (University of Newcastle, UK)
- > Maria Antonia Lopez (CIEMAT, Spain)
- > Pedro Teles (IST, Portugal)

Venue and transportation

The EURADOS Annual Meeting 2018 takes place at Centre of Congress of IST (Civil Engineering Pavilion)
Instituto Superior Técnico – University of Lisbon
Avenida Rovisco Pais, 1
1049-001 Lisboa - Portugal

There are several **daily flights** from all European capitals to the Lisbon International Airport (Humberto Delgado). Alternatively Lisbon can be reached by **train** (Oriente or Alcântara stations) or **car** (all major motorways).

The **IST Central Campus** can be reached by **metro** (from the airport take the **red line** to station "Alameda"). Alternatively, you can reach the campus by taxi/uber/cabify.

The congress centre is located inside the **Civil Engineering Pavilion**. All meetings will take place at the Civil Engineering pavilion.



Local organisation

- > Pedro Teles - chair (IST)
- > Ana Belchior (IST)
- > João Corisco (IST)
- > Miguel Pereira (IST)
- > Yuriy Romanets (IST)
- > Pedro Vaz (IST)

Contact

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Registration

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

Conference fee

registration and payment latest 10 January 2018	registration and payment after 10 January 2018
Full Fee: 250 €	Full Fee: 325 €
Reduced Fee ¹⁾ : 200 €	Reduced Fee ¹⁾ : 275 €

The fee includes participation in all events of AM2018, coffee breaks, lunches (on Tue, Wed and Thu) and conference dinner (on Wed).

Enquiries on registrations & payments:

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