

Theoretical and Practical Dosimetry course for Radiation Processing

October 14 ➔ 18, 2024

Aerial CRT, 250 rue Laurent Fries, Parc d'Innovation
67400 ILLKIRCH / France

This five-day course will provide training in both the theory and practical implementation of dosimetry for radiation processing through lectures, irradiations, measurements and their interpretation. Particular emphasis will be placed on medical device sterilization and the requirements of standard EN/ISO 11137, but the course will also be applicable to dosimetry for other radiation processing applications.

The practical aspects of the course will be carried out using the Aerial 10 MeV e-beam facility. Gamma and X-ray processing will be addressed in the theoretical parts of the course, and differences to e-beam will be highlighted.

This course is limited to 12 participants.

Provisional program

Day 1 (start at 9 am):

Radiation and Dosimetry Fundamentals
Reference Dosimetry Systems
Routine Dosimetry Systems
Influence quantities and Uncertainties
Practical session on dosimetry system calibration

Day 2:

Practical session on dosimetry system calibration (continued)
Overview of standards/guides (ISO 11137-1, -3, and -4, ASTM 51261, 52628, ...)
Installation and Operational Qualification (IQ/OQ)
Practical session on IQ/OQ

Day 3:

Practical session on IQ/OQ (continued)
Overview of ISO 11137-2 (Microbiology aspects)
Impact of radiation dose on polymeric material properties
Process Definition – Sterilisation Dose and Maximum Acceptable dose

Day 4:

Performance Qualification (PQ)
Practical session on Performance Qualification
Establishing the process.

Day 5 (finish at 2 pm):

Control and monitoring the process (ISO 11137-4)
Maintaining Process Effectiveness

Speakers

Mark Bailey Risø HDRL, DTU, Denmark
Florent Kuntz Aerial CRT, France
Peter Sharpe National Physical Laboratory, UK

Arne Miller Risø HDRL, DTU, Denmark
Nicolas Ludwig Aerial CRT, France
Marie-Hélène Desmots Aerial CRT, France

Location

The course will be held at the premises of Aerial CRT.

A block of 12 rooms has been booked at a nearby hotel:

Address:

7Hotel&Spa
550 Boulevard Sébastien Brant
Parc d'innovation
67400 STRASBOURG ILLKIRCH

Contact:

Tel.: +33 (0)3 88 40 84 84
Fax.: +33 (0)3 88 66 22 83
Mail: commercial@7hotel.fr
Website: <http://www.7hotel.fr/>

The rate is 103 € per night (travel tax of 2,75 € per person and per night as extra cost), breakfast included. The rooms shall be paid by the attendee him/herself.

Rooms are bookable till September 1st 2024 the latest and by using the e-mail address vcabiddu@7hotel.fr.

A credit card number will be requested as a guarantee, while booking the room. The room booking is cancellable without fees till 15 days upon arrival. In case of late cancelation (minor than 15 days upon arrival), the room will be fully charged.

Reservations should be made directly with the hotel quoting the booking reference: "Dosimetry Course / Aerial"

Registration Form

Title First name Family Name

Company Address

Post Code City Country

Tel No E-mail

Fee is 3800 € (+ VAT for French attendees), including course notes, refreshments and course dinner.

NB: on receipt of registration form a confirmation of registration will be sent with payment instructions (Bank transfer or Credit card).

Course cancellation

- *early cancellation (more than 6 weeks prior to the course): 100% of the registration fees will be reimbursed*
- *late cancellation (less than 6 weeks prior to the course): 50% of the registration fees will be reimbursed*
- *cancellation less than 2 weeks prior to the course will not be reimbursed but participant may be substituted*
- *cancellation by Aerial: 100% of the registration fees will be reimbursed*

Please send completed form to **both**:

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