



CED-IADR Summer School 2023

The 'CED-IADR Summer School' programme gives early-career researchers the opportunity to learn new research techniques and to establish professional relations with other European researchers.

Following the successful CED-IADR Summer Schools held in Marseille (2017), Madrid (2018), Zagreb (2019), and Budapest (2022), we kindly invite young researchers to join us in Regensburg, Germany in 2023!



This 5-day training course „Dental Materials Science – Analysis, Properties, Performance“, intends to demonstrate the application of basic science methods and development into clinical practice for young CED-IADR members pursuing an interest in translational dentistry and medicine.

When? June 12-16, 2023

Where? Regensburg, Germany

Organizers: Prof. Dr. Sebastian Hahnel & Prof. Dr. Dipl.-Ing. (FH) Martin Rosentritt

Registration is free of charge, but limited to a maximum of 16 selected candidates (CED-IADR members only).

Attendees should cover their own housing/travel expenses.

CED-IADR reserves the right to cancel the summer school when insufficient participation.





CED-IADR SUMMER SCHOOL 2023

DENTAL MATERIALS SCIENCE – ANALYSIS, PROPERTIES, PERFORMANCE

JUNE 12-16, 2023

Regensburg, Germany

The 2023 CED-IADR Summer School at the Department of Prosthetic Dentistry at Regensburg University Hospital in Regensburg, Germany, addresses essential aspects of contemporary dental materials science.

The programme includes introductory lectures on modern dental materials, fundamental principles in experimental dental materials science, as well as scientific writing.

Laboratory hands-on courses as well as seminars in small groups will be performed to train the participants in current research approaches, including optical and mechanical analytical methods. In addition to that, clinical demonstrations will display the transfer of experimental materials science into clinical dental research.

The programme will be accompanied by social events in the beautiful UNESCO world heritage old town of Regensburg, the best preserved medieval city in Germany.

The CED-IADR Summer School is a place for young researchers to learn and improve their laboratory research methods, to network with other young CED-IADR members and to socialize with prominent scientists in the field.

The Work & Learn sessions include

- Specimen preparation
- Scanning electron and laser scanning microscopy
- Chewing simulation, wear, and other dynamic testing methods
- Thermal analysis (DSC, TGA, DMA, DEA)
- Analysis of mechanical properties (biaxial/three-point fracture strength, hardness, modulus)
- Analysis of surface properties (roughness and topography, contact angle measurements)
- Digital microscopy and fractography
- and much more

We are looking forward to meeting you in Regensburg!

Prof. Dr. Sebastian Hahnel & Prof. Dr. Dipl.-Ing. (FH) Martin Rosentritt
Universitätsklinikum Regensburg
Poliklinik für Zahnärztliche Prothetik
93042 Regensburg
Germany



Follow us on



<https://www.ced-iadr.eu/>

CED-IADR SUMMER SCHOOL 2023

DENTAL MATERIALS SCIENCE – ANALYSIS, PROPERTIES, PERFORMANCE

June 12-16, 2023

Regensburg, Germany

PRELIMINARY PROGRAMME

Monday	June 12, 2023
13.00-14.00	Welcome & Registration
14.00-15.00	General Information
15.00-16.30	Laboratory and clinic tour
16.30-18.30	City tour
Tuesday	June 13, 2023
	Lecture:
09.00-10.30	Basics Dental Materials - Ceramics, Composite, Zirconia
11.00-13.00	Workshops testing & Surface analysis
13.00-14.00	LUNCH BREAK
14.00-16.00	Workshops testing & Surface analysis
Wednesday	June 14, 2023
	Lecture
09.00-10.30	Basics Microscopy - SEM/Laser scanning
11.00-13.00	Workshops testing & Surface analysis
13.00-14.00	LUNCH BREAK
14.00-16.00	Workshops testing & Surface analysis
Thursday	June 15, 2023
	Lecture
09.00-10.30	Basics Fractography
11.00-13.00	Workshops testing & Surface analysis
13.00-14.00	LUNCH BREAK
14.00-16.00	Seminar: Study Design - Scientific Writing - Literature
	Dinner
Friday	June 16, 2023
09.00-10.30	Discussion
	Lecture
11.00-12.30	Materials investigated in laboratory - how do they perform in the clinic?
12.30	Goodbye

INTERESTED ?

For members only! 'First come, first served'-principle applies!

Please send your:

- proof of CED-IADR membership
- detailed CV
- motivation letter
- copy of your ID

to ced.iadr@uzleuven.be
no later than March 15, 2023.

The CED-IADR office will inform the candidates by end of March on their acceptance.

