



Focal Theme:
*"Diffraction and Spectroscopy
in Materials Science"*
August 24-31, 2025
Tallinn, Estonia
rac-school.org

About the RÅC International Summer School

The RÅC International Summer School is a joint initiative by Sweden and Germany within the collaborative framework of the Röntgen-Ångström-Cluster (RÅC), in 2025 in cooperation with the University of Tartu, in Estonia. In 2025, the Summer School will be organized together with our Estonian partner in Tallinn.

With the existing and upcoming top research facilities, such as the European XFEL or PETRA III and upcoming PETRA IV in Germany, the European Spallation Source ESS and the MAX IV Laboratory in Sweden, and the Solaris Synchrotron in Poland, the European countries and in particular the countries in the Baltic sea region will significantly strengthen their analytical research capabilities over the next decade. The RÅC International Summer schools will attract more young researchers to make use of these large-scale facilities.

Following this approach, the RÅC Summer School provides a training of the next generation of researchers in materials and life science, who utilize neutrons and X-rays in order to make the best use of these most-advanced research infrastructures.

The **general theme** of the RÅC Summer Schools is ***"Advanced Materials Design at X-ray and Neutron Facilities"***. Additionally, each annual Summer School takes place under a specific **focal theme** on relevant topics of high importance. The focal theme of RÅC-2025 is:

„Diffraction and Spectroscopy in Materials Science"

The program structure, the topics and lectures are designed to improve a fundamental understanding rather than focusing on pure experimental methods and techniques. The Summer School emphasizes a stimulating learning environment with sufficient time for social and cultural activities.

Internationally renowned experts in the relevant fields will give lectures and tutorials. Poster sessions and student lectures are part of each Summer School. Close interaction and dialogue among participants and lecturers will be stimulated.

ECTS: Visiting a full RÅC Summer School including the presentation of a poster will typically earn 3 ECTS points upon agreement with your university. A personal Certificate of Participation will be issued after the school.

RÅC International Summer School 2025

Call for Application

“Diffraction and Spectroscopy in Materials Science”

Date: August 24-31, 2025
Venue: Hestia Hotel Europa, Tallinn, Estonia
Web: <https://www.rac-school.org/>

The RÅC International Summer School 2025 offers a limited number of scholarships (travel, lodging, full board) for students and young scientists from institutions in EU and EU-associated countries.

Invited for application are:

- qualified senior master students in the final research phase of their study programs (master/diploma)
- doctoral and PhD students
- young postdoctoral researchers

All applications will be evaluated by the RÅC-2025 Scientific Committee. The nomination of applicants will be based on their academic accomplishments, experience in research and education, as well as taking gender balance into account.

Applications have to include:

- a CV
- a one-page motivation letter explaining
 - why you would like to participate
 - how this might benefit your ongoing or planned career
- one brief and targeted reference letter written by your supervisor or similar authority

Deadline for application: May 10, 2025

- early application is highly recommended
- submission online via the [RÅC-2025 Application Form](#)

RÅC-2025 Organizers:

The RÅC International Summer School 2025 is organized by Deutsches Elektronen-Synchrotron (DESY) and the University of Tartu. In Germany, RÅC-2025 is supported by the Federal Ministry of Education and Research (BMBF).

Privacy Notice:

Please, be aware: When applying for a RÅC-School Scholarship at the RÅC-School Secretariat, you agree that your personal data and documents that you provide to the RÅC-School Secretariat and Scientific Committee will be stored and processed for the purpose of participating in the RÅC-School application procedure. Your personal data and documents will be stored and processed during the application procedure and - due to legal requirements - up to two months after the completion of the application procedure. Link to DESY Data Privacy Policy, see: https://www.desy.de/data_privacy_policy/index_eng.html