Time-resolved and In-situ Studies of Materials:

Basics and Applications

RACIRI SUMMER SCHOOL 2015
22 – 29 August 2015
Rügen Island, Cliff Hotel Rügen
http://www.raciri.org

Call for Applications

RACIRI Summer Schools

Germany, Russia and Sweden have jointly launched the RACIRI Summer Schools initiative in 2013 that is based on two bilateral cooperation platforms, the German-Swedish Röntgen-Ångström Cluster RAC (http://www.rontgen-angstrom.eu) and the German-Russian Ioffe-Röntgen Institute IRI (www.ioffe-roentgen.org).

With the upcoming European facilities European X-ray Free Electron Laser (European XFEL) in Hamburg, the European Spallation Source ESS and the MAX IV Laboratory in Lund as well as the high-flux research reactor PIK in Gatchina near St. Petersburg, the Baltic region will significantly strengthen its analytical research capabilities over the next decade.

A key target of both platforms, RAC and IRI, is the training of the next generation of researchers in order to contribute to the best possible exploitation of the full potential of the unique research infrastructure in the Baltic region.
The RACIRI Summer School offers a unique training session for young researchers in materials science. Its thematic frame is “Advanced Materials Design at X-ray and Neutron Facilities”. Each RACIRI Summer School is devoted to a special focus theme:

- RACIRI 2013, Petergof (near Saint Petersburg, Russia): Soft Matter and Nano Composites
- RACIRI 2014, Stockholm, Sweden: Imaging with X-rays and Neutrons in Life and Materials Sciences

The school will mainly address PhD students, master (diploma) students in their final research year, and young postdoctoral researchers from institutions of the three partner countries.

It is one of the main goals of RACIRI Summer Schools to strengthen the scientific knowledge base of the next generation of researchers in advanced materials design and to contribute to the necessary interdisciplinary literacy in relevant scientific fields and disciplines. The program structure, lectures and topics are designed to improve the fundamental understanding rather than focusing on plain experimental methods and techniques.

The structure of the summer school will provide a stimulating learning environment with sufficient time for social & cultural activities among the students. Internationally renowned scientists and experts from the relevant fields will be invited as lecturers and tutors in close dialogue and interaction between the generations. Science slams and poster sessions are part of each RACIRI Summer School.

**Participation and how to apply**

In general, admittance to the RACIRI Summer School is based on national calls in the partner countries Russia, Germany and Sweden and granted through a nomination process based on scientific excellence. Each country will organize the calls and the nomination process autonomously and may engage for that purpose national research organizations to rely on their experiences, networks and best practice mechanisms in advertising and nominating young researchers.

The nominated young scientists will receive all necessary funding for travel, accommodation and food.
RACIRI 2015:

Call for Application for Participants from German Institutions

The focus theme of the RACIRI Summer School 2015 is “Time-resolved and In-situ Studies of Materials: Basics and Applications”. Its venue is Cliff Hotel Rügen on Rügen Island (http://www.cliff-hotel.de/de/).

The RACIRI Summer School 2015 offers up to 30 full scholarships (travel, food and lodging) for students and young scientists who are working at German research institutions or universities and who are residents of Germany.

We expect the applicants to be excellently qualified senior masters students in the final phase of their study program (master/diploma), or PhD students with proven academic background and necessary qualifications, or young scientists (Postdocs). Students and young scientists wishing to participate must first apply and will be nominated by a committee (based on their academic accomplishment, research and education experience, and with careful consideration of gender balance).

The nomination process will be organized by the Komitee Forschung mit Neutronen KFN and the Komitee Forschung mit Synchrotronstrahlung KFS. Successful applicants will receive an invitation to attend the RACIRI Summer School 2015.

Applicants are requested to electronically submit

- a CV
- a one-page motivation letter explaining why he/she would like to participate and how this might benefit his/her ongoing or planned research
- two reference letters.

All documents should be submitted by 15 May 2015. Please be advised to submit your application as soon as possible.

Please send all application documents electronically to: RACIRI@desy.de.

Organizers:

The RACIRI Summer School is embedded in the scientific cooperation frameworks of the Röntgen-Ångström-Cluster (RAC) and the Ioffe-Röntgen-Institute (IRI). Organizing institutes are the Swedish Research Council Vetenskapsrådet, the NRC “Kurchatov Institute” in Russia and the Deutsches Elektronen-Synchrotron (DESY) in Germany.