

CRC 1261 International Summer School 2022



biomagnetic
sensing  SFB I261

Magnetic sensing and applications in medicine and industry

State of the art and new prospects

The 3-day schedule of the Summer School includes

- Talks by invited speakers, including experts from industry
- Soft skills courses for improving interdisciplinary and intercultural skills
- Participants will have the opportunity to present their work as a short talk
- Participants will have the possibility to network with representatives of Kiel University
- Team building: Outdoor escape-room, sailing and more.

DATE:

24-26 August

PLACE:

Maritim Hotel, Kiel
Germany

CALL FOR PARTICIPATION

Deadline: 01.07.2022

Fee: €100



Kiel University
Christian-Albrechts-Universität zu Kiel

TOPICS COVERED

Magnetolectric sensors currently developed within the framework of CRC 1261 aim at the detection of biomagnetic signals from the brain, heart, nerves and magnetically labeled cells. Additional applications are considered for future funding periods according to the needs of industry.

- Sensor concepts, design, fabrication, characterization, modeling, and benchmarking
- Sensor array building and design
- Measurements electronics
- Signal processing
- Forward/inverse problems and sensor fusion
- Medical diagnostics
- Soft skills



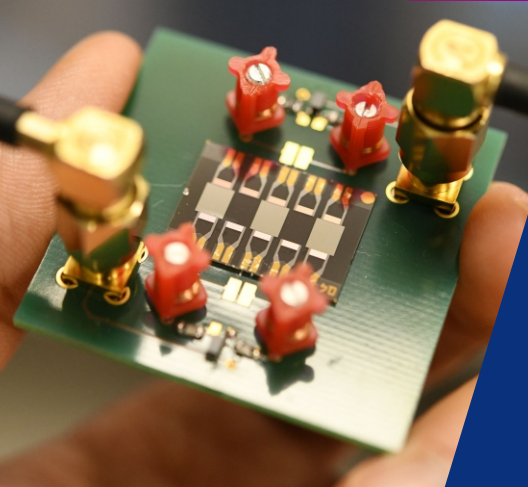
HOW TO MAKE YOUR APPLICATION

- Please apply by sending the following documents in one pdf document to **[the email address below](mailto:summerschool@crc1261.biomagnetic-sensing.de)**.
- a short CV,
 - a brief description of maximum half page that describes why you want to attend the summer school
 - half page abstract about your scientific research
 - participants who want to present their work can contact us to give them a timeslot for a short talk

Participants must cover their own travel and accommodation costs. The CRC 1261 covers the activities, lunch and snacks.



Kiel University
Christian-Albrechts-Universität zu Kiel



Scholarships are available.

To apply, please write a request directly to:

summerschool@crc1261.biomagnetic-sensing.de

If you need help to find a place or further questions, please contact us and we can give you some recommendations.

ABOUT US

The interdisciplinary Collaborative Research Center (CRC) 1261 "Magnetolectric Sensors: From Composite Materials to Biomagnetic Diagnostics" funded by the German Research Foundation (DFG) at Kiel University (for further information see www.biomagnetic-sensing.de)