

Use of Lump Sum

Year	Amount	Usage and Rationale
2020/2	15.8 k€	Amplifier for higher bias fields and time resolution
2020/2	1.1 k€	Measuring apparatus for sensor characterisation in three dimensions using time-varying fields and adaptive filters
2020/2	33.0 k€	Support of circuit design (doctoral researcher) in project A4
2021	100.0 k€	Optical surface measurement system
2022	71.6 k€	Reinforcement of staff in the central project Z1 in response to the new developments with increased demand for ME SAW sensors
2023	71.6 k€ (est.)	Reinforcement of staff in the central project Z1 in response to the new developments with increased demand for ME SAW sensors
2024/1	35.8 k€ (est.)	Reinforcement of staff in the central project Z1 in response to the new developments with increased demand for ME SAW sensors

CRC Retreats

Two to three day retreats for all CRC members twice a year



Conference Organisation

Conference	Symposium, topic, involved principal investigators
22. – 25.08.2020 (online)	MSE Congress, Topic coordinator Biomaterials, C. Selhuber-Unkel
26. – 30.04.2021 Virtually held	INTERMAG 2021, Session IS – Magnetic Field Sensors II, Co-Chair D. Meyners
29.06 - 01.07.2022 Kiel, Germany	International Intelligent Materials (IIM) 2022, special topical session series on magnetoelectric materials R. Adelung, J. McCord, G. Schmidt
26.11. – 01.12.2023 Boston, USA	2023 MRS Fall Meetings & Exhibits, Symposium EL13—Multiferroics and Magnetoelectrics, E. Quandt

Scientific Guests

Name	Home Institution	Research Topic	Duration
Nian Sun	Northeastern University Boston, MA, USA	Bulk ME sensors and actuators	4 weeks, 05/06.2022
Nora M. Dempsey	Institut Néel, CNRS, Grenoble, France	High Performance NdFeB Micro-magnets	1 week, 06.2022

Unfortunately, a lot of planned visits have been cancelled due to the COVID-19 pandemic.

Gender Equality & Family Friendly Measures

Ensuring equal opportunity is a strategic goal of Kiel University:

- increasing the number of women where they are still underrepresented, especially in professorship and leading scientific positions
- gender parity in appointments
- a research environment free of gender bias
- a family-friendly and gender-sensitive culture on campus

Exemplary structures and measures established:

- GenderConsulting Service: support of collaborative research projects in their gender equality activities
- Recruitment: e.g. transparent recruitment procedures including active recruitment of female professors
- Support of academic career advancement: e.g. mentoring programs via:mento and via:mento_international for female postdocs
- Family Service: support and counselling in the compatibility of family with career/studies, e.g. with respect to childcare, parental leave, elder care or work-contract situations



CRC Specific Gender Equality Measures

Implemented CRC-specific Measures to Promote Gender Equality in the second funding period:

- Mentoring program for female doctoral researchers: A series of regular meetings and informal get-togethers accompany the mentoring program and provide the opportunity for exchange of experience and networking.
- Project DAMAS (Magnetic Detection of Old Ammunition in the Sea): Six exceptional female students from various STEM disciplines (both at the bachelor's and master's levels) were selected to collaborate on the development and construction of a prototype for the detection of submerged World War II-era ammunition using ME sensors.
- Project acquisition coaching for a female PI
- Talks, workshops and panel discussions with the objective of educating and raising awareness for gender equality and diversity related topics and opening up a broader discourse
- Funding of student assistant positions for promising female students
- Provision of child care to enable the participation of parents at meetings, retreats and summer schools
- founding member of the Gender Equality Consortium

Planned CRC-specific Measures to Promote Gender Equality and Diversity in the third funding period

- To further advance gender equality in the third funding period, the CRC will continue successful measures of the second funding period
- will extend the range of measures to encompass additional initiatives aimed at fostering equal opportunities and diversity
- collaborate with Kiel University's diversity commissioner and the Institute for Inclusive Education to implement strategies focused on nurturing diversity
- anti-bias trainings and workshops on inclusive engineering

Funds Requested

1 Secretary, 27 Student research assistants
Direct costs 344 k€, Global Funds 600 k€