



MATERIALS SCIENCE AND ENGINEERING

SUMMER SCHOOL

28.08.2023 – 02.09.2023

Faculty of Engineering, Kiel University, Kiel, Germany



The Materials Science and Engineering Summer School aims at attracting the best international students to the M.Sc. study programs at the Institute of Materials Science (MaWi) from abroad by introducing our teaching, training and research activities at the Department of Materials Science and Engineering over a period of one-week summer school. The pilot project targets the last year's B.Sc. students and new graduates from various departments (e.g., materials engineering, chemical engineering, chemistry, bioengineering, engineering science, petroleum and natural gas engineering, mechanical engineering, and food engineering).

Among all the applications, up to 40 B.Sc. students and new graduates based on their GPA and curriculum vitae will be selected for summer school. The one-week summer school covers three days of lectures, which are planned to be held on the main campus of the university, followed by two-day laboratory tours and hands-on training on the engineering campus. During hands-on-training, the students will have the opportunity to visit the laboratories of different chairs at Materials Science Institute in addition to participating in experiments in each lab.

As part of this summer school, the professors of MaWi at Kiel University will cover different fields of materials science and engineering. The summer school will give every subject addressed ample time and consideration. On the first day, there will be a welcome session outlining practicalities for the week, with an outline of the education and research activities at Kiel University, and an overview of the learning objectives and activities of the summer school itself. The rest of the week will consist of lectures, from MaWi professors and the experienced researchers of their groups. Various topics will be addressed, such as functional nanomaterials, multi-component materials, synthesis and real structure of solids, nanoscale magnetic materials, microsystems and technology transfer, inorganic and metallic functional materials, computational material science, bioinspired materials and biosensor technologies, etc. Besides the learning activities, there will be ample time for social activities to enjoy the main campus and the nearby center of Kiel, including a tour of Kiel, a visit to Geomar, and a closing reception.

Summer School Deadlines

Application Submission: **15 May 2023**

Applicant Notification: **25 May 2023**

Applicant Registration: **10 June 2023**

How to apply?

Please send your application to mawi-summerschool@tf.uni-kiel.de along with a 1-page motivation letter, curriculum vitae, and academic transcripts.

The applicants selected for the summer school will be informed about travel, accommodation, and the summer school program to be implemented during one week in Kiel by 15 June 2023.

Summer School Chair

Prof. Dr. Zeynep Altintas

Committee

Prof. Dr. Rainer Adelung

Prof. Dr. Franz Faupel

Prof. Dr. Lorenz Kienle

Prof. Dr. Jeffrey McCord

Prof. Dr. Eckhart Quandt

Prof. Dr. Stephan Wulfinhoff

After Summer School

- The participants of summer school will be invited to apply for our two M.Sc. study programs at MaWi
- The applications will be evaluated and up to 15 students will be admitted to the study programs based on their GPA, CV, and performance during the summer school
- The interested students will be engaged in research activities as early as possible during their M.Sc. education
- The highly motivated and talented students will be recruited as research assistants in the at MaWi/ KiNSIS/ Kiel University
- The students will be interviewed about their experience with summer school, M.Sc. education at Kiel University, and life in Kiel
- The interviews will be published in the university website as well as on other social media platforms.