

**Research School on
Multi-Modal Sensor Systems for Environmental Exploration (MOSES)
and
International Postgraduate Programme Multi Sensorics**

MOSES is a high level project and research oriented postgraduate programme that qualifies for autonomous scientific work and professional activity in research and development. One of the main goals is to promote the participants to the German doctoral degree Dr.-Ing. or Dr. rer.nat. within a period of three years. MOSES offers research and education opportunities in all aspects of sensors, multi modal sensor systems, sensor data processing, multi sensor data fusion, data mining simulation and optimization of complex sensor systems with applications in nearly any scientific and technical field. The NRW Research School offers:

- 20 PhD Scholarships
- 4 PhD Positions/ Scientific Co-worker

Programme Hosts

- [Center for Sensor Systems \(ZESS\)](#)
- [Research Center for Multidisciplinary Analysis and Applied System Optimization \(FOMAAS\)](#)
- [Forschungsgesellschaft für Angewandte Naturwissenschaften \(FGAN\)](#)
 - [High Frequency Physics and Radar Technique \(FHR\)](#)
 - [Communication, Information Processing and Ergonomics \(FKIE\)](#)

Selected Fields of Research

- [In-situ 2D/3D-Exploration](#)
- [TeraHertz Sensing and Imaging](#)
- [Position and Attitude Determination, Localisation and Navigation](#)
- [2D/3D Remote Sensing with mono and bistatic Synthetic Aperture Radar Systems \(SAR\)](#)
- [Multimodal data fusion of remotely sensed and in-situ acquired sensor data](#)

Application Prerequisites

- Excellent Master or Diploma degree in Electrical, Mechanical Engineering, Computational Engineering, Computer Engineering
- Excellent Master or Diploma degrees in Mathematics, Physics, Chemistry may be elected, depending on study focus and individual educational background of applicant
- Excellent Bachelor degree holders can be elected, depending on quality of degree, educational background and study focus, but require additional qualifications which can be acquired in parallel by attending additional courses and passing the corresponding examination.
- High Quality English language proficiency (Toefl Test)

Application Procedure

1. **Web based (guided) [Application Procedure](#) (www.moses-research.de)**. Only fully completed applications will be processed.
 - Registration including upload of all documents
 - Aptitude test
2. **Oral interview**
 - High potential candidates are invited to an oral interview; on site aptitude test may be included.
3. **Deadline: 01.10.2008**

Contact

Prof. Dr.-Ing. O. Loffeld

Email: moses@zess.uni-siegen.de

Tel.: +49 271 740 3400

FAX: +49 271 740 4018

[Downloadable Media Streams: "ZESSplorations"](#)