Call for Applications

Teratronics is a multi-disciplinary research field embracing key aspects of optics and photonics, high-frequency electronics, and high-speed digital signal processing. Teratronic systems are characterized by an intimate and inseparable co-integration of these elements.

The Helmholtz International Research School for Teratronics (HIRST) pursues an interdisciplinary approach in teaching and research that combines the traditional disciplines of physics, electrical engineering, computer science, and mechanical engineering. HIRST offers a training program that enables next-generation researchers to explore the immense potential of Teratronics.

We invite you to contribute to this strongly expanding research field.

You have:

- an excellent master's or comparable degree in a relevant subject (i.e. Electrical Engineering, Physics, Optics & Photonics, Mechanical Engineering, Computer Science)
- excellent overall academic performance
- excellent English skills both written and oral
- a project proposal that matches one of our PI's research interests

We offer:

- cutting-edge research in optics and photonics, high-frequency electronics, high-throughput digital signal processing and teratronic systems at the Helmholtz International Research School for Teratronics at the Karlsruhe Institute of Technology
- guaranteed fully funded position until December 2018 further funding depending on performance
- a degree from the Karlsruhe Institute of Technology after successful completion of all requirements by the faculty
- excellent supervision by a supervisor, a HIRST co-supervisor and a HIRST mentor
- a PhD training program (transferable skills, technical training and management modules)
- funding for travel to present your work
- funding for external technical trainings
- an international program in the Technology Region Karlsruhe

Application:

The application deadline ends on **March 31, 2018, 8 PM [CET]**.

Please prepare the HIRST application form, your CV, your academic record to date, short recommendation by one of your professors and a research proposal. Please provide the names of two references to be contacted.

Please send the application package in one pdf-document no larger than 2MB to: stefanie.peer@kit.edu