

## International Platform for Light Science

**IONS Karlsruhe 2015 from June 26 to 29 / Parallel Photo Exhibition at Central Railway Station / KIT Students and Doctoral Candidates Organize Optics and Photonics Conference**



*Young scientists from all over the world will meet in Karlsruhe to discuss new developments relating to light and light-based technologies. (Photo: Sambit Mitra)*

**On the occasion of the International Year of Light, students and doctoral candidates of Karlsruhe Institute of Technology (KIT) organize a conference relating to optics and photonics: The IONS Karlsruhe 2015 will offer presentations by young scientists and renowned representatives of research and industry. Representatives of the media are cordially invited to come to the conference that will take place at the International Department of KIT (Schlossplatz 19, Karlsruhe) from June 26 to 29. (Register at [presse@kit.edu](mailto:presse@kit.edu)).**

Two events of IONS Karlsruhe 2015 will be open to the interested public: Professor Christoph Becher of the University of the Saarland will speak about Nonlinear Optics with Single Photons (in the English language) on June 26, 17.15 hrs, KIT Campus South, Otto-Lehmann-Hörsaal (building 30.22, Engesserstraße 7, Karlsruhe). A photo exhibition relating to light will be organized at the Central Railway Station of Karlsruhe from June 26 to 29. There, contributions to the competition "Light in Society, Science, and Art" will be displayed. Visitors may cast their vote for the winner online.

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The IONS Karlsruhe 2015 of the Optical Society (OSA) is organized by the OSKar – Optics Students Karlsruhe university group as a conference of young scientists for young scientists: 22 students and doctoral candidates from twelve countries will present the results of their work. The program addresses ambitious students, doctoral candidates, and young professionals. About 80 participants from all over the world are expected. “The time and venue of IONS Karlsruhe 2015 have been chosen deliberately: In the UNESCO International Year of Light, the conference will make young researchers meet at the place, where Heinrich Hertz experimentally proved the existence of electromagnetic waves in 1886 and, thus, made a major contribution to the science of light,” the main organizer of the conference, Patrik Rath, explains. Apart from contributions of young scientists, the program covers six presentations by renowned representatives of research and industry. “In addition to scientific exchange, the participants will have the opportunity to network in the area of optics and photonics,” the PR officer of IONS Karlsruhe 2015, Daria Bezshlyakh, says. The conference is part of a series of events of the international OSA Network of Students (IONS).

IONS Karlsruhe 2015 is organized by OSKar – Optics Students Karlsruhe e.V., a university group of KIT, which considers itself a forum and network builder for students and doctoral candidates of optics and photonics in Karlsruhe. Through events, such as scientific presentations, visits of companies, and participations in conferences, OSKar members can establish contacts to research and industry. In addition, they have the opportunity to train their project management and intercultural communication skills.

Contributions of KIT students to IONS Karlsruhe 2015 reflect the vicinity of education to research: Anna Ovvyan, doctoral candidate of the Institute of Nanotechnology (INT), will explain how optical circuits can be produced from transparent thin layers – in analogy to miniaturized electronics of today’s smartphones. In the future, these circuits might be applied for precision measurements. Sambit Mitra, master’s student of the Karlsruhe School of Optics and Photonics (KSOP), will speak about the use of extremely short high-energy light pulses for the highly precise processing of materials. Ruben Hünig, doctoral student of the Light Technology Institute (LTI), will focus on the use of nature-inspired structures to make solar cells more efficient.

For more information, click <http://ionskarlsruhe.osahost.org/>.

**Karlsruhe Institute of Technology (KIT) is a public corporation pursuing the tasks of a Baden-Wuerttemberg state university**

**and of a national research center of the Helmholtz Association. The KIT mission combines the three core tasks of research, higher education, and innovation. With about 9,400 employees and 24,500 students, KIT is one of the big institutions of research and higher education in natural sciences and engineering in Europe.**

*Since 2010, the KIT has been certified as a family-friendly university.*

This press release is available on the internet at [www.kit.edu](http://www.kit.edu).

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