

DoKDoK 2019 Report

The 8th edition of DoKDoK took place from September 23rd to September 27th at the Landhotel “Alte Fliegerschule” in Eisenach. With 57 participants from 17 **national** and even **international** institutes this conference was again of high attractiveness for all doctoral students, as well as interested master students from the field of optics and photonics. Moreover, we were proud to welcome 7 keynote speakers, in addition to a variety of company representatives – as speakers or on-site presenters. Thus, further enhancing DoKDoK 2019 to around 70 attendees in total.



Located at the northern edge of the Thuringian Forest and close to the imposing castle “Wartburg”, the Landhotel “Alte Fliegerschule” was an ideal location with great atmosphere for open discussions, exchange of scientific results and networking with other researchers and industrial partners. We are very thankful for the encouragement from all of our supporters, which led to the great success of this conference. Special thanks goes to the **Ernst-Abbe-Foundation**

for their major support as well as to the **Jena Alliance Life in Focus - A Carl Zeiss Foundation Project** for their support of the dedicated Biophotonics talk and poster sessions. Furthermore, DoKDoK was supported by the **SPIE.FOCUS** grant for student conferences for the first time allowing for the opportunity to provide conference grants to our SPIE-member attendees. Built on years of experience from previous DoKDoKs, we could maintain the high level of industrial participation and support, which showed itself not only through financial support but also through a huge variety of company presentations during the conference. The well-established **industry sessions** gave an ideal platform for the industry representatives to interact directly with their customers, i.e. the young ambitious researchers. Moreover, a detailed insight into a company’s research and development could be provided by a variety of talks from industry representatives. This conference was only possible due to the contribution of our various sponsors and supporters. We would like to take this opportunity to thank all of our supporters for a very successful DoKDoK 2019!



We were very proud to complete our scientific program with 7 keynote speakers, such as research group leaders **Dr. Falk Eilenberger**, **Dr. Giancarlo Soavi** (both Friedrich Schiller University Jena), and **Dr. Markus Gräfe** (Fraunhofer IOF Jena) giving insight into their fields of research ranging from quantum light sources in 2D materials and ultrafast dynamics of hot electrons in graphene to quantum enhanced imaging techniques. Different viewpoints on the interface between academia and industry were given by **Dr. Torsten Feigl** (CEO optiX fab GmbH) and **Prof. Dr. Timo Mappes** (Director German Optical Museum). Personal experiences from a career in science were shared by **Dr. Hendrik Huthoff** (Scientific Manager of the Jena School of Microbial Communication) and **Dr. Thomas Kaiser** (Max Planck School of Photonics) resulting into fruitful discussions amongst the participants.

Beside the scientific exchange, another major goal of DoKDoK is to build up and intensify networks between the participating doctoral students. In order to enable the right framework conditions for such **networking**, a variety of social activities were part of the conference program, too. One of these activities and beyond doubt one of the DoKDoK highlights is the Social Day, where we hiked through the “Drachenschlucht” and visited the “Wartburg”.

Last but not least, the core of the DoKDoK program was constituted by the outstanding scientific contributions of the DoKDoK participants from over a dozen countries. This year, **31 oral presentations** were given from highly motivated young researchers, presenting their cutting-edge research from a wide variety of topics ranging from ultrafast optics and spectroscopy to optical elements and imaging techniques. Additionally, **17 poster presentations** during the conference ensured further scientific discussions which was completed by three presenters being awarded the poster prizes.



On behalf of the DoKDoK 2019 organization committee

Tobias Bucher

DoKDoK 2019

8th doctoral conference on optics




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