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Gettering and Defect Engineering in Semiconductor Technology 2015 – 30 Years of GADEST

September 20th to 25th, 2015

Conference Objectives

The GADEST conference series provides an international forum on Gettering and Defect Engineering in Semiconductor Technology for experts in the field of semiconductor technology, semiconductor device physics and defect physics. With a clear focus on applied academic research, major goals of the GADEST conferences are the exchange of experiences and views with industry as well as to bring together participants from eastern and western countries in a spirit that encourages close interaction and discussion.

Conference Venue

The GADEST 2015 conference will be held at the Kurhotel an der Obermaintherme in Bad Staffelstein, Germany. Bad Staffelstein is a spa town in the Bavarian district of Upper Franconia, embedded in a beautiful landscape known as "Gottesgarten am Obermain" (Eden on the Upper Main).

Conference Topics

Topics for original contributions to the GADEST 2015 conference include, but are not limited to:

Materials synthesis: Bulk and layer growth of advanced semiconductor materials, advances in substrates for solar cells, strain-engineering, semiconductor nanocrystals, nanowires and quantum dots, modeling and simulation of materials synthesis, as well as advanced structural and electrical characterization of semiconductor materials

Defects and defect engineering in semiconductors: Intrinsic point defects and extended defects, light elements, transition metals, introduction of defects by technological processes, reactions involving defects, defect engineering of Si-based thermoelectric devices, modeling and simulation of defects and their interactions, including ab-initio calculations, as well as advanced structural, spectroscopic and electrical characterization of defects

Defect aspects for devices: Next generation micro- and nano-electronics, power electronics, advanced solar cells, silicon-based photonics and photonic crystals, Spin properties and spintronics, co-integration of materials for devices, gettering and passivation of defects in photovoltaic devices, modeling and simulation of defect-device issues, as well as advanced characterization of defects in devices

Abstract Submission

Deadline for abstract submission is January 30th, 2015. Abstracts should clearly state the motivation, the new scientific insights, and the relevance with respect to the conference topics on a maximum of two A4 pages. Further details including the submission process can be found at the GADEST 2015 web site.

Further Information and Mailing List

For more detailed information, please visit the website www.gadest.org of the GADEST conference series and the website www.gadest2015.de of GADEST 2015. To make sure that you do not miss announcements and calls for abstracts of the GADEST conference series, please sign up to the GADEST mailing list by sending a short note to info@gadest.org.