Visiting Professor

Igal Brener

Dr. Igal Brener, Sandia National Laboratories and Center for Integrated Nanotechnologies, Albuquerque, New Mexico, USA, is visiting the Faculty of Physics and Astronomy as ASP Visiting Professor in April 2016.

Dr. Igal Brener is a Distinguished Member of Technical Staff at Sandia National Laboratories in Albuquerque, NM. He joined Sandia National Laboratories, Albuquerque, NM, in 2004 where he is active in nanophotonics, THz science, optoelectronics and metamaterials. In addition to his Sandia position, he is science leader for nanophotonics at the Center for Integrated Nanotechnologies (a nanoscience user facility for the Department of Energy) and research professor at the University of New Mexico. He has authored more than 200 refereed publications, and has received 19 patents. Dr. Brener is a fellow of the Optical Society of America and the IEEE. He currently serves as associate editor for Optics Express and Nature Scientific Reports.

During the course of his research career, Dr. Brener has made pioneering contributions to semiconductor physics, Terahertz science and technology, fiber telecommunications and metamaterials. During his stay in industry he also worked in silicon VLSI, optical MEMs, microscopy and biophotonics. His current research activities center around combining semiconductors and other solid state materials with metamaterials to achieve novel behavior and improved functionality. He also maintains numerous collaborations with Academia, industry and other national labs in different areas of nanophotonics.

Semiconductor excitations coupled to metamaterials
Monday 04 April 2016, 3:00 pm, overview talk
Abbe Center of Photonics, Albert-Einstein-Str. 6, 07743 Jena, Lecture hall

Solid-state lighting and III-nitride semiconductors
Monday 11 April 2016, 3:00 pm, 1st talk mainly to doctoral students
Abbe Center of Photonics, Albert-Einstein-Str. 6, 07743 Jena, Lecture hall

THz science and technology and THz metamaterials
Wednesday 13 April 2016, 3:00 pm, 2nd talk mainly to doctoral students
Abbe Center of Photonics, Albert-Einstein-Str. 6, 07743 Jena, Lecture hall

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