Eintritt frei

Alfried Krupp Fellow Lecture

Mittwoch
5. Juni 2019
18.00 Uhr

Professor Dr. Joseph Rosen

Unusual Optical Imaging Systems for Special Applications

Optical imaging has been well-known in the nature and in the technology for decades. Recently new methods of optical imaging with superior features have been proposed and demonstrated. In the presentation, I will describe several new techniques of three-dimensional optical imaging with better imaging performances than the conventional techniques have. Possible applications for these imaging methods, ranging from space telescopes to a new generation of microscopes and endoscopes, will be discussed.

Joseph Rosen is a Professor, and holder of the Benjamin H. Swig Opto-Electronics Chair, at the Department of Electrical and Computer Engineering, Ben-Gurion University of the Negev, Beer-Sheva, Israel. He is a Fellow of the Optical Society of America (OSA) and of the International Society for Optical Engineering (SPIE). Dr. Rosen has co-authored over 200 scientific journal papers, book chapters, and conference publications. His research interests include digital holography, optical microscopy, diffractive optics, statistical optics, biomedical optics, optical computing, and image processing. From October 2018 till September 2019 Joseph Rosen is a Senior Fellow at the Alfried Krupp Wissenschaftskolleg Greifswald.

Moderation: Professor Dr. Jan Plamper

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