

Short Courses

Tuesday May 28, 2024, from 8:30 am to 2:30 pm



The popular EIPBN Short Courses takes place on Tuesday, May 28, 2024, 8:30 am to 2:30 pm. This event features four lectures given serially by leading authorities in their field of expertise and is a perfect opportunity to further your knowledge of nanofabrication processes and applications. This year's Tuesday Short Courses are:



Nanoscale Characterization of Emerging Photovoltaic Materials and Devices

Heayoung Yoon, University of Utah

Prof. Yoon is an Associate professor of ECE at the University of Utah. Her research focuses on nanofabrication and characterizations of solar energy materials and devices.



Processing of Gallium Oxide Power Semiconductor Materials and Devices

Sriram Krishnamoorthy, University of California, Santa Barbara

Prof. Krishnamoorthy is Associate Professor in the Materials Department at University of California, Santa Barbara, working at the intersection of materials, electrical engineering, and physics to study and engineer wide and (ultra)wide band gap semiconductors such as Gallium Oxide.



Symmetry and Topology in Photonic Nanostructures for Sensing and Imaging Applications

Abdoulaye Ndao, University of California, San Diego

Prof. Ndao is an Assistant Professor of Electrical and Computer Engineering. Before Joining UC San Diego, Abdoulaye Ndao was assistant professor at Boston University from 2020 to 2023. His research interests span wide-ranging topics in photonics, material sciences, and physics.



Patents & Intellectual Property 101

Franklin Schellenberg, Haynes Beffel and Wolfeld

Dr. Schellenberg has a Ph.D. in Applied Physics from Stanford University for work on nonlinear optical materials at both Stanford and the University of Tokyo. He has been Conference Chair for EIPBN (2010) and for various SPIE Conferences and Workshops. He is an inventor on over 33 issued patents, and a contributing author to several books and over 70 technical publications.