

SINAM NANO SEMINAR

Center for Scalable and Integrated Nano
Manufacturing (SINAM) - NSF Nanoscale
Science and Engineering Center Presents:



Some Recent Studies of Nano-Micro Plasmonic Structures and Metamaterials

Prof. Sailing He

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Thursday, July 22nd, 2010

2:00 PM - 3:00 PM

3110 Etcheverry Hall

Abstract

In this talk, some of our recent studies on nano-micro structures and metamaterials for slow lights and nano-waveguiding will be discussed. Some interesting properties of metamaterials with nearly zero effective refractive index will also be discussed. We will also show carpet cloaking on a dielectric half-space, as well as some latest results on double negative optical metamaterials with a high figure of merit.

Biography

After receiving his Ph.D. degree from the Royal Institute of Technology (Sweden), he has worked at the same Institute as an assistant professor, an associate professor, and a full professor. Currently he is also a chief scientist for the Joint Research Center of Photonics of the Royal Institute of Technology (Sweden) and Zhejiang University (China). Prof. He has first-authored one monograph (Oxford University Press) and authored/co-authored about 400 papers in refereed international journals. He is in the editorial advisory board for "Laser & Photonics Reviews", a topical editor of Optics Letters, and a Fellow of OSA (Optical Society of America) and SPIE.

Refreshments Provided

Hosted By: Professor Xiang Zhang, 3112 Etcheverry Hall
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