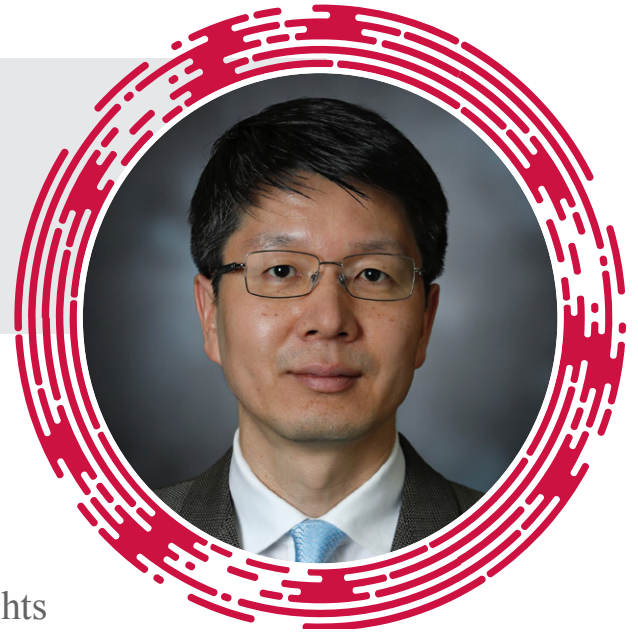




# Advances in nanophotonic sensors

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Department of Electrical and Computer Engineering  
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Co-sponsored by Morgridge Institute for Research  
and the UW SPIE/Optica Chapter

This presentation will review recent advances in the design, fabrication, and applications of plasmonic and nanophotonic biosensors. We will look at recent highlights in nanoplasmonic sensing of biomolecules, new fabrication techniques, liquid manipulation, and discuss future directions.

## ABOUT the SPEAKER

*Sang-Hyun Oh received his B.S. in Physics from KAIST, Korea and his PhD in Applied Physics from Stanford University. After postdoctoral appointments at Bell Labs, Murray Hill, and UC Santa Barbara, he joined the faculty in the Dept of Electrical and Computer Engineering at the University of Minnesota, Twin Cities, in 2006, where he is currently a Distinguished McKnight University Professor and Sanford P. Bordeau Chair and directs a lab focusing on nanofabrication, nano-optics, and biosensing. His team has contributed to the development of fabrication techniques including template stripping, atomic-layer lithography, and epsilon-near-zero nano-coaxial cavities. He is a Fellow of Optica (formerly OSA).*

**Monday, October 31 at noon**  
**1003 Engineering Centers (Tong Auditorium)**