



Photonics Forum

November 28, 2018

*11:45 a.m. -
1:15 p.m.*

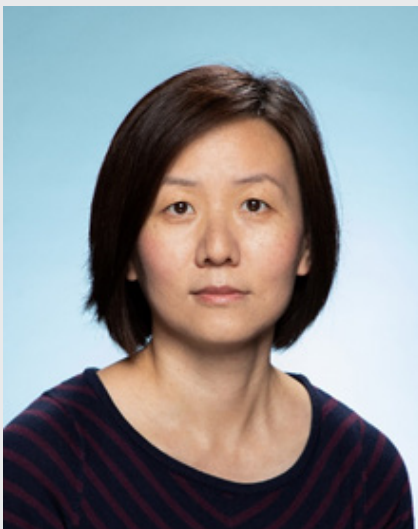
9th Floor

Room 901

Photonics Center

8 Saint Mary's Street

Lunch will be served!



Professor Chen Yang, Boston University

Photonics Nanomaterials for Lighting, Solar Energy and Neurostimulation

The mission of Professor Chen Yang's research is developing new nanomaterials with functionality gained from low dimensionality, structural and compositional complexity, and novel optical, chemical, and electrical properties of nanostructures for great societal impact. Specifically, new nanomaterials coupled with light allows us to engineer their optical properties, including absorption and emission, opening up potential for highly-efficient light emitting devices and solar energy application. In addition, nanostructures interacting with light can convert energy to acoustic waves, which is a key for our recent development in nanotransducers for neurostimulation.

Professor Chen Yang graduated from the University of Science and Technology of China (USTC), Hefei, Anhui, P. R. China, with a bachelor's degree in Chemical Physics in 1999. She obtained a Master of Philosophy at the Hong Kong University of Science and Technology in 2000. Professor Yang received her doctoral degree in Chemistry under the supervision of Professor Charles M. Lieber at Harvard University in 2006. Then she worked as an Associate in McKinsey & Co., a top business consulting company, from 2006 to 2007. Professor Yang joined the Department of Chemistry and the Department of Physics and Astronomy at Purdue University in August 2007 and she was promoted to Associate Professor in 2013. Professor Yang moved to Boston University and accepted the position of Associate Professor in the Department of Electrical and Computer Engineering and the Department of Chemistry in 2017.



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