



IBS Center for Molecular Spectroscopy and Dynamics

COLLOQUIUM

- **SPEAKER**

Prof. Hui Cao (Dept. of Applied Physics, Yale University)

- **TITLE**

Controlling light propagation in multimode fibers

- **ABSTRACT**

A multimode optical fiber subjected to random mode and polarization mixing represents a complex photonic system with strong coupling of spatial, temporal, spectral and polarization degrees of freedom. By exploiting such coupling, we demonstrate a full control of the temporal shape and polarization state of light transmitted through a multimode fiber by adjusting the spatial profile of incident field.

- **DATE AND VENUE**

December 11, 2017 (Monday, 5:00 - 6:00 pm)
Seminar Room 116, KU R&D Center

- **LANGUAGE**

English

- **INVITED BY**

Associate Director Wonshik Choi

* If you want to have a discussion with Prof. Hui Cao or have dinner with her, please contact to associate director Wonshik Choi(wonshik@korea.ac.kr).