

Massachusetts Institute of Technology
Department of Physics

Condensed Matter Theory Seminar

"Recent Progress in Photonic crystals"

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Abstract: In this talk, I will review our recent progress in photonic crystals, especially for Energy and IT Applications. The examples include (1) ultrahigh-Q nanocavities and their applications, (2) thermal-emission control for highly efficient thermo-photovoltaic systems and environmental sensing, and (3) broad-area high-power coherent photonic-crystal lasers. Such a broad-range of progress in photonic crystals indicates that photonic crystal research has now entered advanced phases towards realization of ultimate control of photons.

1:00pm
Thursday, April 27, 2017
Duboc Room (4-331)

Host: Chao Peng