

Colloquium Notice

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Focusing of light in optically diffusive media

Convergence of light toward a desired location in optically diffusive and aberrative media is the most important challenge in optical methods of biomedical imaging, where inhomogeneous media with some degree of opacity are generally present. I will review various approaches towards this goal. The techniques include optical phase conjugation, measuring the transmission matrix of forward and back scattered light, and microscopic wavefront adjustments. I will show examples of applying the new understanding and techniques to control spatial coherence in multimode fibers and laser arrays.

Monday

September 19, 2011

Starts at 12:15 PM

Coffee at 12:00 PM

Physics Conference Room, SB B326