1121-35-39    **Zhongwei Shen\***, Department of Mathematics, University of Kentucky, Lexington, KY 40506.
*Recent Progress in Almost-Periodic Homogenization.* Preliminary report.

In this talk I will discuss recent progress in homogenization of second-order elliptic equations and systems with rapidly oscillating coefficients. We assume that the coefficients are bounded measurable and almost-periodic in the sense of H. Weyl. The results to be presented include estimates of approximate correctors, sharp convergence rates, and uniform regularity estimates. (Received July 04, 2016)