Physics Colloquium
University of Missouri-Kansas City
Department of Physics

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University of Missouri-Kansas City

A Survey of Graduate Research and Teaching Activities in Computational Electromagnetics at the School of Computing and Engineering

Research in Computational Electromagnetics (CEM) involves numerical solution of Maxwell's equations. This talk aims at providing an overview of research activities in the CEM area over the past ten years at the School of Computing and Engineering (SCE). Research efforts in ultrawideband microstrip patch antennas, conformal phased arrays on tactical platforms and propagation modeling in wireless communications, will be highlighted. Other research opportunities in the CEM will be discussed. In addition, the state of current research in high-frequency quasi-optic techniques shall be emphasized with attention to applications in Department of Defense.

From a pedagogical point of view, the state of graduate studies in CEM area at SCE shall be discussed - with an examination of graduate course contents offered. Synergistic activities in this, and other possible areas of common interests, shall be explored.

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****Coffee at 3:10: Colloquium at 3:30 in Room 310****