

CENTER FOR COMPUTATIONAL SCIENCES (CCS)/CENTER FOR ADVANCED VEHICULAR
SYSTEMS (CAVS), MISSISSIPPI STATE UNIVERSITY

JOINT FORUM ON MATERIALS SCIENCE

(Academic year '06 - '07)

CCS and CAVS will host a joint forum on materials science throughout the academic year '06-'07. In the fall of 2006, biweekly lectures by mathematicians, physicists, and engineers will be organized. In Spring 2007, we will host a colloquium series in materials science.

Lectures on Mathematics and Materials Science

DR. HYEONA LIM

Department of Mathematics and Statistics
Mississippi State University

Dates: Lecture 1 - September 14, 2006

Lecture 2 - September 28, 2006

Time: 3:30 - 5:00 p.m.

Location: CAVS SEMINAR ROOM

Abstract. In these two talks, basic mathematical equations related to continuum models will be considered and the mathematical challenges on two ongoing projects will be introduced. Mathematical approach on the problems related to materials science such as asymptotic analysis for image reconstruction on Helmholtz model, existence of solution and its stability on the model describing viscoelastic materials, and enhancement of X-ray tomography images of materials will be further discussed.

There will be a refreshment between 3:15 - 3:30 p.m. each day in the CAVS SEMINAR ROOM.

Contact Hyeona Lim (hlim@math.msstate.edu), Shivaji (shivaji@ra.msstate.edu), or Paul Wang (pwang@cavs.msstate.edu) for additional information.