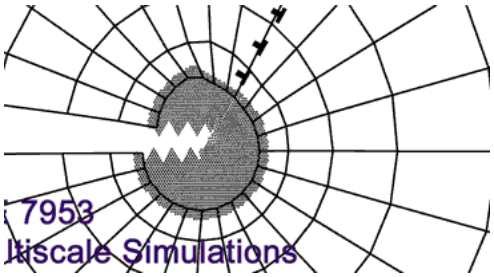

ME 7953: Simulations in Materials (Fall 2002)

Instructor: **Dr. Honglai Tan**

With four years hands-on experiences on parallel simulations on atomistic-continuum material behaviors, I will open this new course in the coming fall semester. In this course I will teach:

- C++ object oriented descriptions of material behaviors;
- High performance computing using CaSPer parallel environment at LSU;
- Atomistic simulations using Molecular Dynamics method;
- Continuum simulations using Material Point Method.

Please check the course webpage:
http://me.lsu.edu/~tan/teaching/simulation.htm

A review chapter "Combined Atomistic and Continuum Simulation for Fracture and Corrosion" written by me will be published by Elsevier Science in book "Interfacial and Nanoscale Failure". You can come to my office (CEBA 2504) for a copy if you are interested in multiscale simulations.