



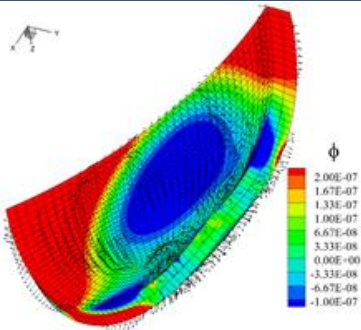
The Computational Mechanics Research Laboratory (CMRL) at Johns Hopkins University, directed by Prof. Somnath Ghosh, is actively involved in cutting-edge research of **Computational Mechanics of Structures and Materials**. Its pioneering research has advanced the field into new areas of importance and challenges.

PhD Positions Available with Funding

Interested applicants must have background in the relevant fields of Engineering (Mechanical, Civil, Aeronautical, Civil or Material & Science) and/or Sciences (Physics and Mathematics)

SIGNIFICANT RESEARCH WITHIN CMRL:

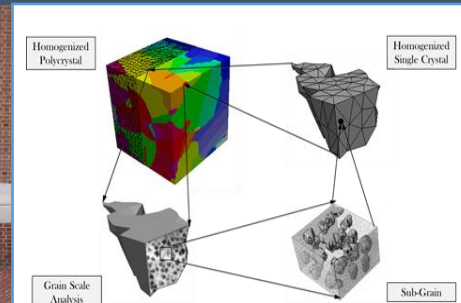
- Multiple spatial modeling of mechanical-electro-magnetic phenomena, for antenna and sensor
- Multiple spatial and temporal scale image-based modeling of polycrystalline and composite materials
- Multi-scale material characterization and virtual image simulation
- Fatigue analysis of metals and composites
- Molecular mechanics simulations of polymeric & metallic materials
- Probabilistic methods in multi-scale modeling
- Metal forming and materials processing simulation and design
- Novel finite element model development



Multiple spatial modeling; antenna



CMRL members (2016 to 2017)



Multiscale material characterization

Interested applicants should inquire directly to CMRL Director:

Prof. Somnath Ghosh (sgghosh20@jhu.edu)

Michael G. Callas Chair Professor

Department of Civil Engineering, Department of Mechanical Engineering

Department of Materials & Science Engineering

Latrobe 203, 3400 North Charles Street, Johns Hopkins University, Baltimore, MD 21218

Please visit the JHU-WSE website (<https://engineering.jhu.edu/>) for information about graduate admissions

Additional Information please contact:

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