Research Assistantship Opportunity

Graduate research assistantship is available in Dong's group in the broad area of computational and applied mathematics. The research assistant is expected to actively participate in and contribute to current projects in the group. The research of the group focuses on the development of effective and efficient mathematical models and numerical techniques, and the application of such techniques to explore and illuminate fluids- and solids-related phenomena. Current research activities include the development of physically consistent formulations and high-order methods and algorithms for multiphase systems involving multiple types of fluid interfaces, contact-line dynamics and wetting, wall-bounded liquid-gas flows, open boundaries and outflows, fluid-solid interactions, structural dynamics, multi-physics modeling and simulations, computations in domains with complex geometry, turbulence, and high performance parallel computing. Capability of programming in some high-level language (C, C++, or Fortran) is essential. Current and prospective students are encouraged to contact Prof. Dong for more information if interested.

Department admissions deadlines may apply.

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