Multiple research assistantship positions are available to qualified “doctoral” degree pursuing graduate students (Please refer to the “Degree Programs” in the department website for requirement and deadlines) in mechanical engineering (or other disciplines including material science, physics, chemistry, biology, or chemical engineering etc.) who have strong background and interest in thermal sciences/engineering, and/or materials processes/characterization.

**Research Areas:**
Two-phase heat and mass transfer (boiling and condensation) in porous media, multi-scale phase change, sustainable energy conversion and storage, thermoelectric, rechargeable battery, combustion, membrane distillation, and nano-material processes/characterization.

**Experience and Skill Requirements (including, but not limited to):**
- Knowledge in fluid mechanics, heat/mass transfer and numerical methods.
- Laboratory experience including instrumentation, part designing/fabrication, hardware experiment, material processes/characterization, and/or optics.
- Experience in using CFD codes (research codes, and/or commercial packages such as ANSYS Fluent, etc.) and grid generation packages.
- Programming skills using languages (C++, FORTRAN, etc.).

Interested students should submit their CV/resumes including any GRE and TOEFL (for international applicants) scores and academic transcripts by email.

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