



PhD positions in Fluid and/or Plasma Dynamics

We are seeking highly motivated PhD students to join our group in the Department of Mechanical Engineering at the University of Rochester (UofR). More information about the group can be found at <http://www.me.rochester.edu/~haluie/>

The positions are highly interdisciplinary and can involve research in several areas, including fluid dynamics, plasma physics, turbulence, nonlinear multi-scale science, hydrodynamic instabilities. Research can include any combination of theory, simulations, and/or experiments. Areas of application can range from geophysical flows and climate science to high-speed flows, high-energy density flows, and fusion power.

Founded in 1850, UofR is a highly competitive private research university which enrolls approximately 6,000 undergraduate and 3,500 graduate students. It has historical links to pivotal US social movements, including women's suffrage (Susan B. Anthony) and abolitionism (Frederick Douglass).

Fluids and Plasma research at UofR has a dynamic and growing collaborative group involving several professors: Hussein Aluie, Riccardo Betti, Eric Blackman, Gilbert Collins, Adam Frank, Valeri Goncharov, Pierre Gourdain, Douglas Kelley, Lee Murray, Alice Quillen, Chuang Ren, Ryan Rygg, Adam Sefkow, Jessica Shang, and Thomas Weber. The department offers a friendly and stimulating research environment. We enjoy strong ties to a leading DOE fusion research facility, the Laboratory for Laser Energetics, which is adjacent to campus, and to the UofR medical school, one of the top in the US.

The city of Rochester is a thriving and affordable, low-stress, medium sized metropolis (metro area population ~1 million) with excellent public services and amenities. It enjoys a vibrant performing arts culture thanks in-part to UofR's Eastman School of Music, often ranked as the top music school in the US, and several small colleges that focus on the arts. For outdoors enthusiasts, there are many well-maintained parks that offer sanctuaries within the city and many gorgeous state parks that are less than a 1 hour drive. Many of the beaches along lake Ontario are within 15-30 minutes from the city, and the Adirondack mountains are within a 3 hour drive.

We welcome applications from candidates with a background in engineering, physics, applied math, or related disciplines.

**** Application Deadline ****

January 1, 2019.

Formal applications should be submitted through the ME department's website:

<http://www.hajim.rochester.edu/me/graduate/admissions.html>

Potential candidates are encouraged to contact Hussein Aluie (hussein**At*rochester.edu) with inquiries and to express their interest in the position. Please attach a CV.