



PhD Positions in Turbulent Reacting Flow Simulations
Department of Chemical Engineering
University of Utah, Salt Lake City, USA

The Computational Engineering and Asymptotics Laboratory (www.tsaad.net) at the Chemical Engineering Department, University of Utah, is currently seeking outstanding Ph.D. students to conduct research in the areas of (1) turbulent reacting flow simulations, (2) low-Mach pressure projection, (3) acceleration techniques for low-Mach combustion simulations, (4) fire simulation and modeling, and other related topics.

Utah is legendary for snowboarding, skiing, camping, hiking and biking. There is plenty to see & do:

- Seven world-class skiing and snowboarding resorts within a 30-minute drive of the University of Utah.
- Five scenic national parks: Arches, Canyonlands, Bryce, Capitol Reef, and Zion.
- Ranked No. 1 for Best Hiking Cities by National Geographic.
- Home of the internationally-renowned Sundance Film Festival, Real Salt Lake soccer team and the NBA's Utah Jazz.

Expectations

Ideal candidates should be fluent in English, well versed in mathematics (vector calculus, ODEs, PDEs) with basic knowledge of fluid mechanics, have had some exposure to numerical methods, and have a keen interest in programming (C++, Python).

Compensation

Selected PhD candidates will enjoy

- A monthly stipend of over \$2,300 (or \$28,000 yearly)
- Tuition benefit to waive the cost of tuition (conditional on maintaining excellent academic performance, GPA > 3.0).
- 80% health insurance payment.

Application

Interested candidates should send their resume to Professor Saad: tony.saad@chemeng.utah.edu along with a short statement of why they believe they are a good fit in our group. The University of Utah's admission requirements can be found at: <http://www.che.utah.edu/graduate/admissions>.

