



**Matthias Ihme**

Assistant Professor  
3017 Francois-Xavier Bagnoud Building  
Department of Aerospace Engineering, University of Michigan  
Ann Arbor, MI 48109-2014

Phone: (734) 615-7270 • Fax: (734) 763-0578 • E-mail: [mihme@umich.edu](mailto:mihme@umich.edu)

## **Postdoctoral Scholar on LES-Combustion Modeling of Rocket-Injectors**

A Postdoctoral or visiting scholar position is available in the Aerospace Engineering Department at the University of Michigan, Ann Arbor. The research topic is on the development of combustion models for large-eddy simulation of rocket injectors under consideration of finite-rate chemistry-effects, thermodynamic non-idealities, and heat-losses. Specific research aspects are the description of scalar mixing and subgrid-scale modeling of turbulence/chemistry interaction. The position will be for two years with the possibility of renewing the contract for a total of three years. More information on current research can be found at: <http://www-personal.umich.edu/~mihme>

Applicants should have a strong background in combustion modeling, large-eddy simulation, and high-performance computing. Interested applicants should submit the following material to Prof. Matthias Ihme ([mihme@umich.edu](mailto:mihme@umich.edu)): a cover letter with a description of research interests, CV, publication list, and names and contact information of three references. The position will be open until filled, and consideration of applicants will begin immediately.

We encourage applications from women and members of other under-represented groups. The University of Michigan is an Affirmative Action/Equal Opportunity Employer.