

# Position Opening for PhD or Equivalent in Combustion

BlazeTech has full-time openings at the PhD level (or MS + a few years of relevant experience) in Mechanical, Aerospace, Chemical Engineering or equivalent.

## Job Description:

Modeling of fire and explosion in aircraft, missiles and vehicles for both military and commercial applications. Formulation of key tests to be conducted on large-scale systems in national test facilities to obtain data for model validation. Development of analytical and numerical models to interpret the test data and make predictions, leading eventually to specialized commercial software.

## Requirements:

- Relevant coursework or experience in areas such as Compressible Flow, Fluid mechanics, Reacting Gas Dynamics, Heat Transfer, Combustion, Kinetics, and Chemical Thermodynamics.
- Strong emphasis in analytical methods (CFD background is desirable).
- Must be willing to participate in a fairly wide spectrum of projects.
- Must be US Citizen (no exception.)

## General:

Founded in 1987, BlazeTech is a leader in providing R&D and computational services in environmental safety for civilian applications and in the survivability/vulnerability of military systems. Our services include design, testing, analysis, and engineering and numerical modeling. Our forte is in bridging the gap between theory and practice to bring innovative and cost-effective solutions to practical engineering problems. In the process, we have developed several technologies and computer software that are in various stages of commercialization. Relevant projects include:

- Modeling of aircraft fuel tank fire/explosion under a variety of conditions
- Test and modeling the behavior of chemical and biological agents
- Development of explosion suppression devices
- Software for the atmospheric dispersion of reactive chemicals
- Low NO<sub>x</sub> burner and hydrogen combustion

For more information, please visit our webpage [www.blazetech.com](http://www.blazetech.com). BlazeTech is a small company that offers competitive salaries and benefits as well as a very dynamic work environment. Please send resume and transcripts to [office@blazetech.com](mailto:office@blazetech.com) or to: Human Resources, BlazeTech 24 Thorndike St., Cambridge MA 02141-1882 Tel: 617-661-0700; Fax: 617-661-9242.