

FM GLOBAL POSITION PROFILE

TITLE: Intern – Material Flammability

DEPARTMENT/LOCATION: FM Global -- Research Division, Norwood, Massachusetts

DATE: Feb 6, 2023

Job Summary:

We look for a graduate student or senior year undergraduate student in mechanical, fire protection, or related engineering fields to join a team of scientists dedicated to fire safety and material flammability research as a summer intern.

Company Summary:

FM Global is a leading property insurer of the world's largest businesses, providing more than one-third of FORTUNE 1000-size companies with engineering-based risk management and property insurance solutions. FM Global helps clients maintain continuity in their business operations by drawing upon state-of-the-art loss-prevention engineering and research; risk management skills and support services; tailored risk transfer capabilities; and superior financial strength. To do so, we rely on a dynamic, culturally diverse group of employees, working in more than 100 countries, in a variety of challenging roles.

Responsibilities:

The purpose of this position is to design and conduct experiments in the area of material flammability research under the supervision of research scientists and perform data analysis. The position will be studying material flammability by using analytical instruments including TGA/DSC and FTIR. Exposure to Fire Propagation Apparatus, large scale fire testing, fire dynamics experiments, and fire modeling are expected.

Qualifications:

The position requires a BS degree in Mechanical Engineering, Fire Protection Engineering, Chemical Engineering, Material Science or related fields with a background in combustion, fluid mechanics, heat transfer, and applied mathematics. Hands-on lab experience and skills are preferred. Also needed are excellent written and verbal communication skills, as well as demonstrated skill in developing solutions to challenging technical problems.

Contact: Dr. Yi Wang
Fire Dynamics Group
Fire Hazards and Protection Research
FM Global
1151 Boston-Providence Turnpike
Norwood, MA 02062
e-mail: yi.wang@fmglobal.com