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## STUDENT INTERNSHIP PROGRAM

in

### LOSS PREVENTION ENGINEERING & RESEARCH

FM Global's research group, a scientific organization committed to property loss prevention, is pleased to announce the establishment of paid undergraduate and graduate internships in loss prevention engineering and research. Internship assignments are made on the basis of available study and may be for summer or semester periods. Study may be conducted either at the student's institution or at our engineering and research facility located in Norwood, Massachusetts. On occasion, assignments may also be available at our Research Campus in West Glocester, Rhode Island.

Internship study is done with the involvement of FM Global's internationally renowned loss prevention research scientists. Research areas include fire hazards and protection (focusing on fire protection systems, fire modeling, flammability, and reactivity;) structural hazards and response (focusing on structural response and natural hazards modeling;) risk, reliability, and failure prevention (focusing on risk & uncertainty analysis, loss statistics & operations research, equipment & system reliability, and corrosion resistance & damageability;) and, operational research (focusing on fire testing & procedures; and instrumentation & controls) in support of our Research Campus . Tentative project subjects include:

- At the Research Campus: instrumentation and control system support; CAD drawing review, editing, and organization.
- At the Norwood facility: supporting procedures for fire tests; analyzing data for hydrologic/hydraulic models; assisting with database development and GUI interface for industry data; renewable energy informational research; DB searches for power generation industry studies; analytic studies on frequency and severity of loss incidents; and "Big Data" research.

Undergraduate intern candidates are expected to be either juniors or seniors in an engineering or science discipline. Graduate interns must be enrolled in either a masters or doctorate program in an engineering discipline. Primary consideration will be given to mechanical, chemical, electrical, civil, reliability, or fire protection engineering, as well as operations research, statistics/mathematics, or Earth & Planetary Sciences disciplines. Occasionally, other disciplines may be considered.

Interns not registered for advanced degrees will be offered the opportunity to study on a specific, well-defined project. Those studying towards a degree may have the opportunity to have their internship study contribute toward their degree requirements, in which case cooperation and collaboration between FM Global and the student's institution is essential.

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