Graduate Research Projects in Fire Protection Engineering
Prof. David Torvi

Opportunities for graduate students at the M.Sc. and Ph.D. level are available in the fire protection engineering research program in the Department of Mechanical Engineering at the University of Saskatchewan in Saskatoon, Saskatchewan, Canada. Experimental and numerical research is ongoing to improve the knowledge of heat and mass transfer in materials during exposures to fire. Specific areas of interest in this program include:

- evaluating the performance and durability of protective clothing,
- correlating small and full-scale fire test results of materials & products, and
- developing models of heat transfer in fire and in human skin.

Experimental fire science facilities in the department include a cone calorimeter and a protective fabric tester. The department also has well equipped material science, thermal analysis, heat transfer, and experimental and computational fluid dynamics laboratories.

More information on the fire protection engineering research program at the University of Saskatchewan, including past publications and completed graduate theses in this research area, can be found at www.engr.usask.ca/~torvi. Information on the University of Saskatchewan and its graduate school can be found at http://www.usask.ca/cgsr/.

I currently do not have any funded positions in our research group for new graduate students. If you hold an external scholarship (e.g., NSERC) and are interested in a graduate program in fire protection engineering, please email the following information to david.torvi@usask.ca.

- a copy of your resume or curriculum vitae, listing your post-secondary education, any research and industrial experience, TOEFL or other English language score (if applicable) and your publications;
- a copy of your transcripts from any post-secondary educational institutions you have attended;
- a one page statement of interest, indicating your specific fire research interests and how your background would allow you to conduct graduate research in this area.

Files must be submitted in PDF format and all file names should begin with your last name.

Once I have reviewed this information, I will be able to inform you if you should submit an on-line application to the Mechanical Engineering graduate program.


Full-scale Fire Test of Foam Specimen


Field Fire Test