



# '10 Safety Products **STUDENT DESIGN Challenge**

Developed by



# STUDENT DESIGN *Challenge*

Sponsored by the **Safety and Protective Products Division** and the **Narrow Fabrics Institute**, part of **Industrial Fabrics Association International**, the worldwide association which promotes technical textiles. Member companies provide technical textile solutions for military, aeronautics, medical, first responder/hazmat, sports applications and many other cutting edge applications in various markets. IFAI and its divisions are committed to encouraging and supporting talented new contributors to the growth of this important global industry. For more information, visit [ifai.com](http://ifai.com), [safetyfabrics.com](http://safetyfabrics.com) or [narrowfabrics.org](http://narrowfabrics.org).



## ***What's This Design Challenge All About?***

The Safety Products Student Design Challenge is an annual event which encourages college and university students of design, textiles, engineering and allied curricula to solve safety and protection problems using high performance textiles and narrow fabrics in functional designs.

## ***The Challenge:***

Student participants will:

- ✦ Design functional safety and protective products, using textiles as the major component
- ✦ Build resumes and portfolios
- ✦ Network with industry professionals

## ***Who Should Enter?***

Entrants must be enrolled in post-secondary textiles, apparel, engineering, or design programs in colleges or universities. One entry per student is allowed. Team entries are permitted. Mentoring by IFAI member companies may be available upon request.

## ***Design Specifications:***

Students will create an original design and prototype for a safety and protective product which will protect humans, animals, or property from hazardous conditions. These conditions include, but are not limited to, extreme hot or cold temperature; impact; chemical or biological exposure; poor visibility; fall protection. Projects whose primary purpose is general wearing comfort or protection from normal environmental conditions will not be accepted. Projects must incorporate a textile component as a major part of the product.

## ***Prizes:***

### ***1st place***

- \$500 cash prize to student or \$1,500 to team of three or more students
- Presentation of project at joint Safety & Protective Products Division / Narrow Fabrics Institute meeting during IFAI Expo 2010
- For up to three team members:
  - Complimentary registration to IFAI Expo 2010, October 26 – 29, 2009 in Orlando, FL with industry mentoring throughout the show
  - Complimentary airfare or travel expenses up to \$400 per student to attend IFAI Expo 2010
  - Complimentary two-night hotel stay at IFAI Expo 2010
- \$400 applied to travel and hotel costs for academic advisor or college instructor
- Project featured in IFAI and division publications and on websites.

### ***2nd place***

- \$250 cash prize to student or \$750 to team of three or more students
- \$100 cash prize to their college or university
- Project featured in IFAI and division publications and on Web sites.

### ***3rd place:***

- \$100 cash prize to student or \$300 to team of three or more students
- \$100 cash prize to their college or university
- Project featured in IFAI and division publications and on Web sites.

Rights: By entering the Challenge, students agree to allow SPPD and NFI and IFAI to use any digital imagery in print, electronic publications, and press releases to the general press. Students retain the rights to their product designs. No materials supplied as part of the Challenge will be returned with the exception of prototypes displayed at the IFAI Expo. Copyright and patent protection is the responsibility of the student.

## ***Due Dates***

Intent to enter e-mail: **due on or before February 26, 2010**

Electronic or mailed submission of entry and project – **due on or before May 31, 2010**

## ***Submission requirements:***

DO NOT SEND THE ACTUAL PROTOTYPE

Send your entry either electronically or via ground service (post, UPS, FedEx, etc.)

- Electronic submission of project – due on or before May 31, 2010
- Must include the following:
  - Completed entry form, **one per member if a team entry**
  - Description of project which includes:
    - How the project achieves its purpose of protecting the body or property from harm
    - Why it was designed
    - Evidence of market study showing this is an original design
    - Anything unique or complex about the project which may not be evident in the photographs or specifications
  - Detailed project description, including written product specifications
  - Design illustrations
  - Digital images:
    - Two to four digital images of the project
    - Image resolution must be no less than 300 dpi.
    - One of the images must be an overall view of the project. Additional images should show significant details
  - Images and documents should be submitted for Windows Platform in .doc (English), .jpg, .bmp, .tiff, .ppt, or .pdf
- The top three entries should be able to have their actual prototypes displayed during IFAI Expo 2010.

## ***For online entry:***

1. Save all submission information listed above as an electronic folder named: your project's name\_SDC10
2. Go to [www.ifai.com/upload](http://www.ifai.com/upload).
3. Publication: choose Other
4. Issue/IAA date: select the month in which you are submitting your entry
5. Name: Write the name of the lead team member or the entrant
6. Company: your college or university name
7. Business Phone: your most reliable telephone number
8. E-mail: your most reliable e-mail address
9. IFAI contact: Ruth Stephens
10. Next page, upload your folder (compress or zip the file for faster uploading)
11. In the comments section, write 2010 Safety Products Student Design Challenge, your name (names of the entire team if a team entry), your college or university.
12. Upload files.
14. Follow the prompt so you know that the information has uploaded to the IFAI Web site. An e-mail verification will be sent to the e-mail address you listed.

**Winners will be notified on or before August 15, 2010.**

\*\*\*\*\*

For more information about the 2010 Safety Products Student Design Challenge, contact:

Ruth Stephens, Managing Director  
1801 County Road B West  
Roseville MN 55113 USA  
Phone +1 651 225 6920  
Fax +1 651 631 9334  
E-mail [rastephens@ifai.com](mailto:rastephens@ifai.com)  
Web site [www.safetyfabrics.com](http://www.safetyfabrics.com) and [www.narrowfabrics.org](http://www.narrowfabrics.org)

# '10 Safety Products STUDENT DESIGN Challenge

## intent to enter

Send e-mail to [rastephens@ifai.com](mailto:rastephens@ifai.com) by February 26, 2010 with project idea, designer name(s), college or university name. Please indicate whether industry mentoring is requested.

\*\*\*\*\*

## entry form

Entry form must be postmarked on or before May 31, 2010

Complete **one entry form for each team member**. For team project, all team members must use the same project name and attach entry form to the same file.

Date of entry \_\_\_\_\_

### *student information*

Student name \_\_\_\_\_

Project name \_\_\_\_\_

Student's mailing address\* \_\_\_\_\_

\*Please provide contact information good through October 2009 or permanent.

Student's e-mail address \_\_\_\_\_

Student's telephone \_\_\_\_\_

### *school information*

Instructor name \_\_\_\_\_

College/university name \_\_\_\_\_

Department \_\_\_\_\_

Instructor's school mailing address \_\_\_\_\_

Instructor's e-mail address \_\_\_\_\_

Instructor's telephone \_\_\_\_\_ Instructor's fax \_\_\_\_\_

*Entry registration, project submission, and inquiries should be sent to*

Ruth Stephens, Division Manager  
Safety and Protective Products Division  
Narrow Fabrics Institute  
Industrial Fabrics Association International  
1801 County Road B West  
Roseville MN 55113-4061 USA