

ICED17 Design Fair and Expo – August 22, 2017

International Conference on Engineering Design 2017

August 21-25, 2017 Main site: <http://iced17.org> Design Fair and Expo: <https://www.iced17.mech.ubc.ca>
AMS Nest, University of British Columbia



Design Fair Projects

Open to:

- High school students (individuals and teams)
- Undergraduate engineering students (individuals and teams) – includes projects completed for courses, capstone projects, student design teams, etc.

The ICED17 Design Fair and Expo is your opportunity to interact with design professionals from around the world, present a project you completed in the area of resource-sensitive design, and explore what other groups are doing in this field within Vancouver and beyond.

The theme for ICED17 is **Resource-Sensitive Design**.

There are three areas that we can focus on:

1. *Design to advance resource-limited societies*: Designing products that will work well in communities that have issues like no roads for getting materials, equipment or fuel into the community, have limited or no access to electricity or clean water, or have cultural preferences that impact how well products are accepted.
2. *Design to protect critical resources*: Designing products that use less of our limited resources (like oil or clean water) when they are made, and/or do not damage those resources (such as by creating water pollution).
3. *Design to embrace resource limitations*: Instead of seeing limited resources as a problem, using the limitations as a motivation to create simple, elegant and functional designs.

The challenge:

Complete a design project that falls under one of the sub-themes above.

You need to produce a poster and a technical artifact (working device, model, computer model or application (or mock-up), etc.), and show your work at our ICED17 Design Fair.

Projects will be judged by a panel of design experts from the conference in the following four equally-weighted categories: 1. Theme relevance, 2. Technical merit, 3. Innovation, and 4. Communication

How to get involved?

1. Make sure at least one person can attend the event
2. Submit your individual/team information and a brief project proposal at this site:
<https://www.iced17.mech.ubc.ca/design-fair-submissions/>

Organizers will confirm that your project fits within the theme

3. Work on and complete your project
4. Come ready to dazzle the judges!

Design Fair and Expo Tentative Schedule - August 22, 2017

Set-up	3:15 pm
Viewing begins	4:15 pm
Optional public lecture (free for you to attend)	6:15-7:00 pm