

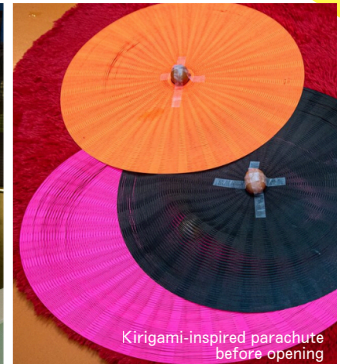
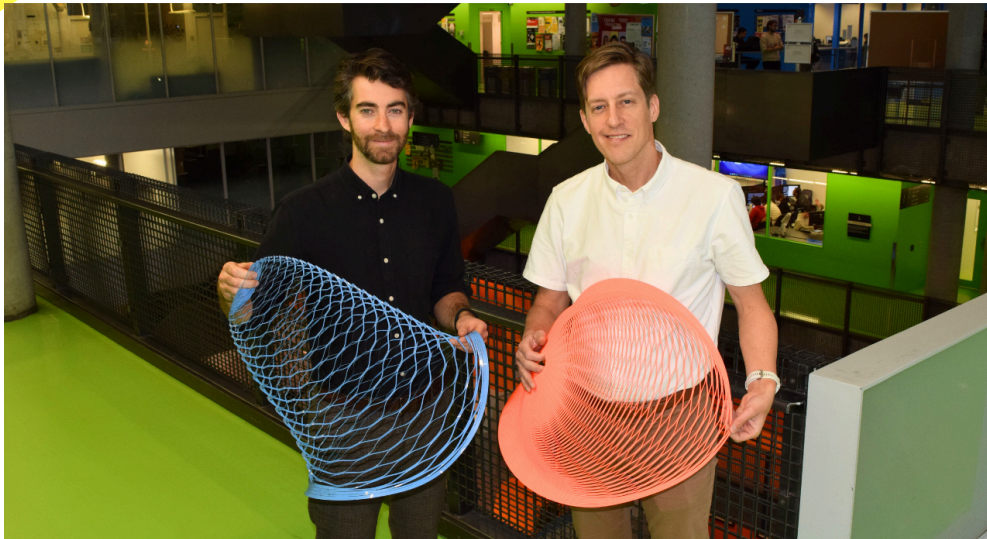


Family Friendly Event



# ORIGAMI AND KIRIGAMI: FROM ART TO ENGINEERING

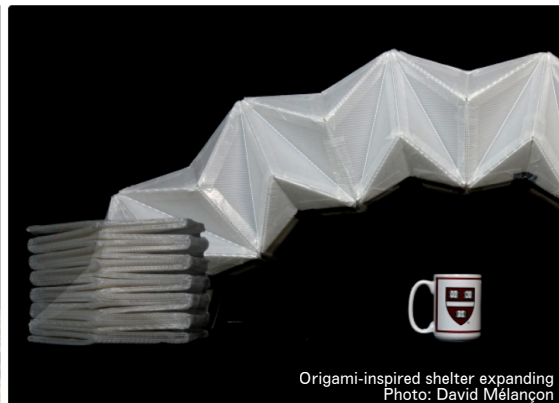
WORKSHOP BY DR. FRÉDÉRIK GOSSELIN AND DR. DAVID MÉLANÇON



Kirigami-inspired parachute before opening



Origami-inspired emergency shelter  
Photo: David Mélançon



Origami-inspired shelter expanding  
Photo: David Mélançon



Kirigami-inspired parachute  
Photo: Frédéric Gosselin

Dr. Frédéric Gosselin and Dr. David Mélançon, professors in the Department of Mechanical Engineering at Polytechnique Montréal, drew inspiration from **origami** and **kirigami**; the Japanese arts of folding and cutting paper. They have created bistable inflatable structures inspired by **origami** and developed a consistently stable parachute inspired by **kirigami**.

The workshop will explore how **origami** and **kirigami** can be used in engineering to create deployable structures through an interactive experience for all ages, including families with children and students. Participants will be invited to build deployable origami structures and kirigami parachutes. Young children might require parental supervision as we use scissors during the activity.

## SAT, JULY 11

## 2PM - 4PM

**EMBASSY OF JAPAN**  
255 SUSSEX DRIVE, OTTAWA

FREE ADMISSION. DOORS OPEN 30 MINUTES PRIOR TO THE EVENT. NO PUBLIC PARKING ON-SITE.

LIMITED SEATS  
RESERVATION  
REQUIRED

<https://origami-kirigami-engineering.eventbrite.ca>

