

WOOD at WORK 2017 MONTREAL

Elegant Strategies for Architecture, City Building and Forest Conservation



WOOD SPAN - Student Design Build Competition - Cash Prizes!

During [Wood at Work 2017](#), Friday October 27th, four universities will compete in a wood bridge-building competition using locally sourced wood cut with a Wood-Mizer sawmill on the St Jax Montreal premises. Reclaimed ash trees from local *emerald ash borer die off* will be sawn into ½" x 3" x 48" planks. Each team will get a bundle of 75 planks to create a 10' span that supports a 200 lb load mid span.

- Materials: 75 ash planks (½" x 3" x 48")
- Fasteners: drywall screws 1", 1 ½", 2"
- Hand tools: saws, planes, drills etc must be brought by team. A chop saw may be on site for end cuts.
- Span: 10' between supports (six support points are allowed)
- Site/Reactions: 6 wood support blocks will be provided. Wood stakes into the earth may be used for lateral loads. Bridges will be tested and displayed in the front garden on Rue St Catherine
- Build time: 9am - 4pm October 27th
- Testing and judging: 4:30 - 5pm
- Judges: All speakers at Wood at Work 2017
- **Judging criteria: __/50**
 - a. Strength __/10
 - b. Concept (calculations, relevance, usefulness, innovation) __/10
 - c. Level of difficulty __/10
 - d. Craftsmanship __/10
 - e. Aesthetics __/10
- Awards presented during reception 7:30pm
- Cash prizes: 1st \$1000; 2nd \$500 3rd \$200

Students can propose a team and a bridge concept by email to woodatwork@pilot-projects.org by October 15. We are looking for diverse teams and structural concepts (trusses, beams, space frames, arches, tensile structures, hybrids...) Concepts should be creative, buildable in a single day, and relevant to the current discourse on wood in engineering and urban construction.

- Selected teams must register for the conference (\$20/student using a special promo code).
- Teams must have at least one faculty sponsor working with them. A permission and waiver form will be given to each team member to sign before competing on site.
- Design process can begin as soon as the team and concepts are approved (October 16).
- Breakfast, lunch and reception is included, as well as access to full conference schedule.