

OACETT NEM College Challenge Event Judging



PRESENTED BY NEM COORDINATION TEAM 2017

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Professional Engineers
Ontario



engineers without borders
ingénieurs sans frontières
Canada



ONTARIO
SOCIETY
OF PROFESSIONAL
ENGINEERS

February 2017

Agenda



- Introduction to NEM
- Goals of the Challenge
- Judging
 - Competition Criteria
 - Expectations
- Events (2016 + 2017)
- Time for Q&A



Intro to NEM: 2016 Overview




305 National Engineering Month events across Ontario were held, in dozens of communities:

- 35,000+ children, teens and adults through in-person events
- 485,000 through our combined online reach
- 405,000 through traditional print media
- 5,760,000 through AM radio advertisements over four weeks

Introduction to NEM OACETT College Student Challenge



**It's
Back!
The 4th
Annual**



May 12, 2016
OACETT
CENTENNIAL COLLEGE STUDENT TEAM
\$2,500
PAY TO THE ORDER OF
Two Thousand Five Hundred /100 Dollars
NEM OACETT College Student Challenge Award

Are you studying engineering technology in Ontario? Then this could be you!

National Engineering Month College Student Challenge

- Cash prize + one year OACETT student membership

The fine print



- **The Challenge:**

- Students are invited to host an event during National Engineering Month. The event can be a traditional NEM event (for example: lunch and learn, student conference, showcase of newly built technology...) or a new event. Event organizers are eligible to apply for NEM Funding (up to \$700 for your event). Students hosting new events are also eligible for NEM Innovation Funding. Details on funding are found [here](#).

- **Prize:**

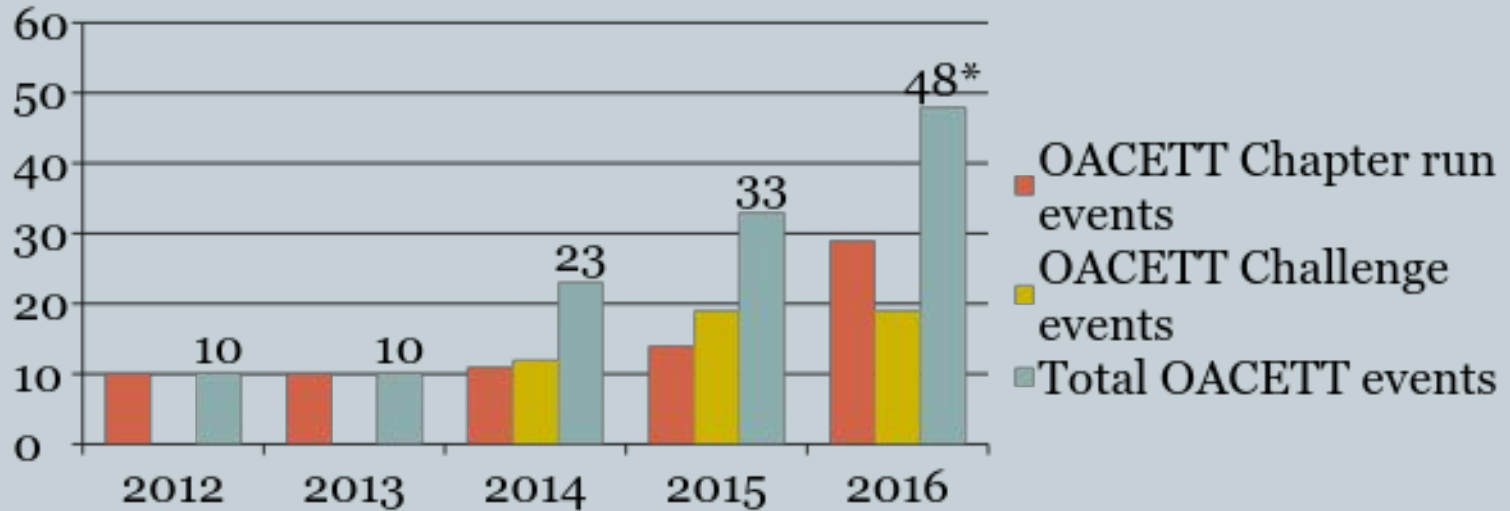
- \$2,500 to the winning team, and a free OACETT student membership. Also as an organizer of a NEM event, you will gain valuable networking opportunities, learn from professionals in industry, receive insight into the world beyond your studies, be a leader in your class and gain valuable experience for your resume.

- **The Rules:**

- Students can work independently or in a team (up to 5 people per team). Students must have the support of an OACETT chapter in their region. Students may also seek the support of their OACETT college liaison as a sources of ideas and support. Students also are encouraged to have support from a college instructor.

Goals of the NEM OACETT College Student Challenge

- Increase OACETT participation in NEM Ontario



Goals of the NEM OACETT College Student Challenge

- Increase OACETT's network within Colleges
- Organizers applied on behalf of:
 - Seneca
 - St. Lawrence
 - Mohawk
 - George Brown
 - Centennial
 - Humber
 - Sheridan
 - Conestoga
 - Confederation
 - Niagara



NEM - the big picture

- Our goal: Bring engineering and technology to life for the next generation and the general public
- Our method: Put on great events to inform and inspire! We want our audience to feel:
 - Interested (so make sure that you can relate to your audience; learn what they know and like)
 - Energized (so keep the level of detail under control, and connect it to something they know)
 - Challenged (so touch on some big interesting questions too!)
 - Confident and proud of themselves (come back!)

Why do we judge?



- We need to ensure that we are achieving our NEM big picture goals, and...
- We need a standardized process to pick a winner!



Judging Process

- Teams are evaluated on

- Messaging
- Incorporation of theme
- Participant Engagement
- Collaboration with OACETT chapter
- Event planning

- This is done using data collected from:

- Self evaluation (scorecards)
- Event feedback forms (to be filled out by OACETT members and other event attendees)
- Post event info packages

Hint - Think about how you can enhance the EXPERIENCE participants will have at your event



Judging Process - Scorecards



- **Scorecards are multipurpose tools!**
 - Helps you plan your events (checklists)
 - Reminder about what elements should carry more weight during your event (eg. messaging)
 - Helps us collect data that we use to compile an overall NEM ROA
 - Is a way for you to tell us how you think you did on your event



Judging Process - Scorecards

- For a review of how to fill out scorecards:
 - <http://nemontario.ca/engineering-outreach-resources/>

National Engineering Month Ontario Event Scorecard

Organizing Group and Contact Name	
Event Title	
Event Date	

Beginner				
Description	Before (Plan/After (Actual	Score	Possible Score	
Mentoring	A,B,C,D	0	0	20
Attendance	≥25	0	0	15
Budget	1000	0	0	15
Media	A,B,C,D,E	0	0	10
Improvement over last year	A,B,C,D,E	0	0	10
Beginner Total			0	70

Advanced			
Description	After (Actual	Score	Possible Score
Social Media	14	10	10
Collaboration	0	0	10
Participant Engagement	0	0	5
Volunteer Engagement	0	5	5
Promotion of Diversity	6	5	5
Advanced Total		20	35

Bonus			
Description	After (Actual	Score	Possible Score
Create and post writeup on chapter website for media promotion	No	0	3
Create a profile of one or more of your chapter members/volunteers	Yes	3	3
Upload photos to NEM Dropbox	na	0	3
Quote participants	na	0	3
Promote NEM Campaign	na	0	3
Bonus Total		3	15
Total Event Score		23	120

Judging - Event Feedback Form



- NEW requirement
- Used to:
 - assess OACETT engagement (HINT - invite lots of OACETT members!)
 - validate scorecard evaluations
 - provide external feedback on key elements
 - helps form a more complete picture of your event



Judging - Event Feedback Form



NEM College Challenge Event Feedback Form

Your name & chapter:

OACETT member number (if applicable):

0: Event Description

What did the event include (design competition, speakers, visual displays, scavenger hunt, etc)?

1: Energy Level & Attendance

How would you describe the level of excitement and engagement in the room?

2: Messaging

What were the key messages that audience members took away from the event?

Energy Level and Attendance



- Small volunteer to participant ratio
- Asked/answered lots of questions
- Age-appropriate language
- Hands-on activities and support available
- Engaging all types of learners: event has visual, oral, tactile elements
- Participant discussion encouraged
 - Example: 5 minute discussion before presentation to discuss ‘What do you think the future of engineering and technology looks like?’ in small groups



NEM Ontario Messaging



- Clear and deliberate messaging based on research
 - Change public perception of engineering and technology
 - Break stereotypes, raise awareness, enhance profile of eng/tech professions
 - Deliver purposeful, positive, and impactful messages

What are effective messages?

1. Engineering and technology solutions to a diverse set of 21st century challenges require a ***diversity*** of thinkers. There's a ***place for you*** in engineering and technology!
2. Engineering and technology ***shape the world*** around us: yesterday, today and tomorrow.
3. Engineering and technology apply ***creativity and imagination*** to turn ***ideas into reality***.
4. Engineering and technology are essential to the ***safety, health, happiness***, comfort, and efficiency of our friends, family and distant neighbors. Locally and globally, ***people working for people***. Engineers and technologists ***make a world of difference***.

Judging - Event Feedback Form



3: Theme & Visual Representation

How did event organizers incorporate the theme, 'There is a Place for You' into their event?

Consider:

- What were the ways they mentioned and represented NEM?
- How well did event organizers incorporate the theme, 'There is a Place for You' into their event?
- How well did event organizers visually represent National Engineering Month, the NEM logo and the partner and sponsor logos?

4: Strengths of the event

What were you most impressed by? What did the students do outstandingly well?

5: Representing OACETT

Did the event promote an awareness of OACETT? Did students generally understand the organization and its purpose?

Theme and Visual Representation

Examples

- T-shirts worn by organizers/volunteers
- NEM posters
- Other creative ideas...



Strengths of the event

Best In...:

- Showcasing an array of guest speakers and educators along with survivors who got an opportunity to share their personal stories to emphasize the importance of fire safety.
- Celebrating the industry and providing a platform for meaningful conversations with many substantial stakeholders present.
- Incorporating the NEM messaging into all aspects of their event.

What other teams can learn:

- Bring together alumni, community leaders,

visually representing NEM on their Powerpoint presentation and T-shirt.

- The students were highly engaged by the presentation and appreciated the various activities that were run, on a relevant topic for them today and in their futures.

Best In...:

- Engaging elementary school students in the classroom.
- Encouraging design and creativity in participants through many activities that allowed for experiential learning.
- Embedding the NEM theme of “There is a

engaged and interested. The organizers had music playing at all the right times along with visual representation during the bridge building competition.

- They kept track of all details visually which allowed the participants to view all details in real time and I found all topics very relevant to students. These students do not have an event planning background yet, they had center pieces at the tables, name badges for all participants, signage and assistance wherever needed.

Best In...:

What did this group do really well? What surprised you?

Representing OACETT

Many engineering technology students are not aware of the professional association they will belong to upon graduation.

The College Challenge can help change that!



Judging Process - Post event info packet



- NEW requirement
- Includes four elements:
 - (1) Recap: A recap of the event, written in a journalistic style, describing your event, 100-200 words minimum.
 - (2) Photos: 2-3 high resolution photos with captions, including full names of all people in the photo (one of which must be a photo of your entire core team – bonus points if you are wearing your NEM campaign tshirts!)

Judging Process - Post event info packet



- (3) Feedback: At least five (5) filled-out [participant surveys](#), event feedback forms and/or testimonials from people who were at your event (bonus points if they are OACETT members!)
- (4) Video: A short video (30 seconds – 3 minutes in length) featuring the name and date of your event, the logos of NEM, OACETT and your College, and some of the highlights of your event (Slide shows with photos are acceptable; the point is to tell a good story, not to be technically dazzling!)
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Judging Process - Post event info packet



● Optional:

- Photos of your team preparing for the event, with a 1-2 sentence description of your thoughts, challenges, design process and favourite parts of NEM
- Copies of the speeches or presentations given at the event (bonus points if they align strongly with the NEM theme and messaging guidelines)
- Personal reflections from graduating members of your program(s) about what it means to them to receive their Technology Ring
- Any other elements or stories that tell the story of why you are proud to study Engineering Technology, how you hope to shape the world in the future through your profession, and what you learned by participating in the College Challenge.

Judging Process - getting us the info



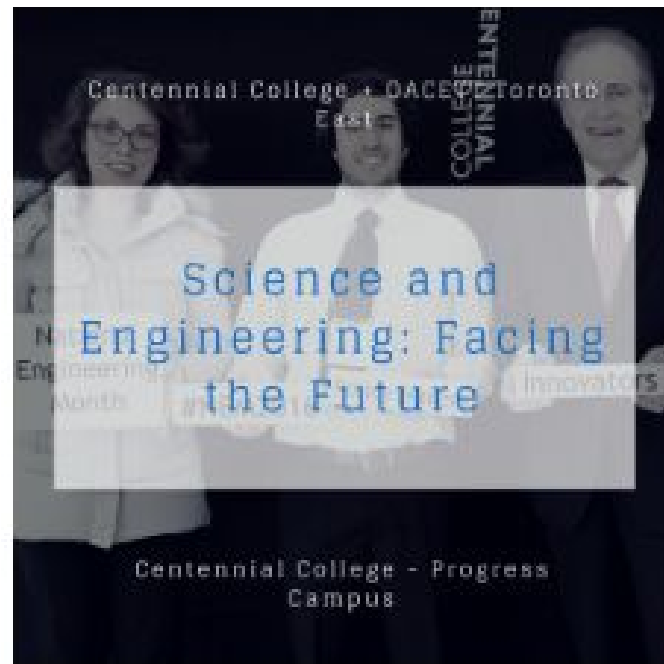
- All judging information (scorecards, participant surveys, in-person judging forms, and post event info packets) must be uploaded **to your Dropbox folder** no later than **Monday April 3rd.**



2016 College Challenge Top Rank – Centennial College



1st Place



2016 College Challenge Results

[Home](#)[Event Listings](#)[Become a Sponsor](#)[College Challenge](#)[Volunteer](#)[Outreach Resources](#)

4th Annual College Student Challenge



The Ontario Association of Certified Engineering Technicians and Technologists (OACETT) is proud to present the 4th Annual OACETT Student College Challenge.

During NEM 2016, the NEM OACETT College Student Challenge attracted 13 student teams from 9 different colleges. The teams put on a variety of events in conjunction with OACETT chapters in their region during National Engineering Month in March.

For NEM 2017, OACETT is again inviting engineering technology students currently registered in an Ontario College to participate.

[2017 COLLEGE CHALLENGE TEAMS](#)[2016 CHALLENGE WINNERS](#)[CHALLENGE WEBINAR](#)[2017 PROMOTIONAL FLYER](#)

Check **here**
to find...



Judges'
Comments

Best In

What Other
Teams Can
Learn

<http://nemontario.ca/college-challenge/>

2017 College Challenge Events



- 18 Teams!
- 10 Colleges!

Find the details for all the events at nemontario.ca



How to stay in touch



- Questions, Comments, Please reach out!
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