



## 2017 Schedule-at-a-Glance

### Day 1: March 17, 2017

Non-Competitions Program	Competitions Schedule
<p><b>Registration</b>  <b>Time:</b> 8:00 am – 8:00 pm <b>Location:</b> Cox Pavilion</p> <p><b>Registration Rubber Band Car Team Build</b>  <b>Time:</b> 8:00 am – 8:00 pm <b>Location:</b> Registration Desk in Cox Pavilion            During registration, participate solo or with as many teammates as possible to combine parts to make your rubber band vehicle travel the farthest, make it the tallest, or make it the longest Vegas style stretch-limo as possible.</p> <p><b>Campus Tours</b>  <b>Time:</b> 2:00 pm – 6:00 pm <b>Location:</b> Meet at Registration Desk            These 1-hour tours take you inside our state of the art labs including Two-Stage Light Gas Gun, Center for Energy Research, Multifunction Lab &amp; Machine Shop, &amp; Drone Lab.</p> <p><b>GET HYPED at Club E-Fest with DJ Godzilla!</b>  <b>Time:</b> 6:00 pm – 8:30 pm <b>Location:</b> Cox Pavilion            We're in Vegas and it's St. Patty's Day so you need to party like an engineer! DJ Godzilla amps up the party while you dance, meet new friends, have pizza and indulge in signature E-Fest mocktails.</p>	<p><b>Human Powered Vehicle Challenge (HPVC) Registration</b>  <b>Time:</b> 8:00 am – 9:30 am <b>Location:</b> Cox Pavilion</p> <p><b>Human Powered Vehicle Challenge (HPVC)</b>  <b>Time:</b> 9:30 am – 7:00 pm <b>Location:</b> Outside/Cox Pavilion  <i>(PLEASE NOTE: Your vehicle must be pre-registered to compete!)</i></p> <p>Teams have designed and built efficient, highly engineered vehicles for everyday use—from commuting to work, to carrying goods to market. Today's main focus:</p> <ul style="list-style-type: none"> <li>• Assembly</li> <li>• Safety Inspections</li> <li>• Design Presentation</li> </ul>

### Day 2: March 18, 2017

Non-Competitions Program	Competitions Schedule
<p><b>Registration</b>  <b>Time:</b> 7:00 am – 6:00 pm <b>Location:</b> Cox Pavilion</p> <p><b>Welcome Remarks &amp; E-Fest Ramp Up</b>  <b>Time:</b> 8:30 am – 9:00 am <b>Location:</b> Cox Pavilion</p> <p><b>Autodesk Fusion 360 Workshop</b>  <b>Time:</b> 9:00 am – 10:30 am <b>Location:</b> Cox Pavilion  <b>Don't forget to bring your laptop!</b>            In this hands-on workshop, witness the first 3D CAD, CAM, and</p>	<p><b>HPVC: The Race Kicks Off</b>  <b>Time:</b> 9:00 am – 7:00 pm <b>Location:</b> Outside Parking Lot near Cox Pavilion            Teams have designed and built efficient, highly engineered vehicles for everyday use—from commuting to work, to carrying goods to market.</p> <p><b>Student Design Competition</b>  <b>Time:</b> 9:00 am – 7:00 pm <b>Location:</b> Cox Pavilion</p>

CAE tool of its kind. It connects the entire product development process in a single cloud-based platform.

Presenter:

- Thom Tremblay, Owner/Trainer/Designer – Concepts and Design

#### ASME Roundtable/Path Forward

**Time:** 10:30 am – 11:30 pm **Location:** Cox Pavilion

We've got a lot to offer you beyond E-Fest! ASME all-stars introduce exciting student programs along with volunteer and leadership opportunities that will open doors and accelerate your engineering career. You'll also meet senior ASME volunteer leadership as part of this roundtable.

Panelists include:

- Jonathan Jennings, Systems Engineer I, **Honeywell (Aerospace)**
- Paul Stevenson, Vice President, **McCormick Stevenson Engineering and Design**
- Justin Young, Senior Design Engineer, **Denmar Technical Services**
- Keith Roe, ASME President (2016-2017)
- Karen Ohland, Associate Director for Finance and Operations (**Princeton University Art Museum, ASME Board of Governors**)

#### Siemens Presents Industry 4.0

**Time:** 11:30 am – 12:00 pm **Location:** Cox Pavilion

Are you real-world ready for a career in Industry 4.0? Learn how Siemens programs, products and career opportunities can jumpstart your career.

Presenter:

- John Devitry, Research Fellow, Utah State University

Students present their solutions to a range of design problems - from everyday household tasks to groundbreaking space exploration.

#### Old Guard Judges Orientation

**Time:** 9:00 am – 9:30 am **Location:** Cox Pavilion

#### Old Guard Oral and Technical Poster Competitions

**Time:** 9:30 am – 4:30 pm **Location:** Cox Pavilion

Engineers, like all professionals, must possess a well-developed ability to communicate, both orally, in writing and visually. In this competition, students demonstrate their ability to deliver oral presentations and technical poster presentations as they relate to mechanical engineering.



#### Keynote Session & Luncheon

**Time:** 12:00 pm – 2:00 pm **Location:** Cox Pavilion

- **Eva Hakansson**, owner Eva Hakansson Racing & the fastest female motorcycle rider!  
*World Speed Records and 3D Printed Motorcycles: Why Engineers are Superheroes!*
- **Dale Dougherty**, founder and CEO of Maker Media, Inc., founder Make Magazine, and creator, Maker Faire.  
*Free to Make*
- **John B. Rogers, Jr.**, CEO & Co-Founder of Local Motors  
*Co-Creation: A Modern Engineering Model*

**MUST  
ATTEND!**

### Hands-On Dronesmith Session

**Time:** 2:00 pm – 3:30 pm **Location:** Cox Pavilion

Learn how to program drones! Demos/hands-on workstations will be included.

Presenters include:

- Rakitha Perera, Media Officer & UNLV student
- Geoff Gardner, Chief Software Architect

### Career Development Workshop with Toastmasters

**Time:** 3:30 pm – 4:00 pm **Location:** Cox Pavilion

Take your leadership and speaking skills to the next level!

- Jesse Oakley, Region 2 Advisor for Toastmasters International

### Break

**Time:** 4:00 pm – 4:30 pm

### Lightning Talks: Energy & Design

**Time:** 4:30 pm – 5:30 pm **Location:** Cox Pavilion

In these short and punchy talks, we'll cover energy, design and more. You'll have a chance to meet with our speakers at an informal "fireside chat" after the session.

- Noel Bakhtian, formerly with the White House Office of Science and Technology Policy  
*Powerful Water – Thirsty Energy*
- Noel Wilson, Creative Director, Catapult Design  
*Tools Designers & Engineers Can Use to Improve Quality of Life: Applying 3D printing to Big Problems*

### Free Night for all E-Festers

Hit The Strip or hit the hay...it's up to you! Enjoy the free evening however you like.



## Day 3: March 19, 2017

### Non-Competitions Program

#### Registration

**Time:** 7:00 am – 1:00 pm **Location:** Cox Pavilion

#### Additive Manufacturing + 3D Printing Career Development Workshop

**Time:** 9:00 am – 12:00 pm **Location:** Cox Pavilion

**Don't forget to bring your laptop!**

Presenters:

- Colin Rawson, Regional Sales Manager, On Demand Manufacturing – Quickparts, **3D Systems**  
*3D in Medical Covers a Multitude of Different Processes Utilizing 3D Platforms, Design Scanning Simulation and Printing*
- Gilles Eggensteiner, Ph.D., Leader Academic Program - North America, ANSYS, Inc. and Miraj Desai, Technical Specialist, ANSYS, Inc.  
*The Next Generation of Simulation Tools, ANSYS AIM*

#### Lunch

**Time:** 12:00 pm – 1:00 pm **Location:** Cox Pavilion

### Competitions Schedule

#### HPVC: The Final Leg of the Competition

**Time:** 8:00 am – 2:00 pm **Location:** Parking Lot outside Cox Pavilion



### Awards Ceremony

**Time:** 1:00 pm – 2:30 pm **Location:** Cox Pavilion

Congratulate all the competition winners! All E-Festers welcome!

### Campus Tours

**Time:** 2:00 pm – 3:30 pm **Location:** Meet at Registration Desk in Cox Pavilion

These 1-hour tours take you inside our state of the art labs including Two-Stage Light Gas Gun, Center for Energy Research, Multifunction Lab & Machine Shop, & Drone Lab.

## The Fun Stuff



See Eva Hakansson's KillaJoule on display!

The KillaJoule is the world's fastest electric motorcycle with a top speed of 270 mph (434 km/h) so far.

**Location:** Outside tent near Cox Pavilion

We're giving away \$2,000 worth of prizes over the 3-day event!

Thank you to our sponsors!

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