

The Old Guard is a group of experienced ASME members dedicated to helping engineering students and early career engineers bridge the gap between college and professional life, and involving them in ASME activities.

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The Old Guard programs are funded by the generous donations of dues-exempt ASME members as well as other supporters who share a commitment to enriching the student and early career engineer experience at ASME and their transition to professional life.

Donate to the Old Guard

Online at:

[https://community.asme.org/
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By Mail to:

**ASME
The Old Guard
Two Park Avenue
New York, New York 10016-5990**

c/o Madhu Rangi

THE ASME OLD GUARD

Like all professionals, engineers must possess a well-developed ability to synthesize issues and communicate effectively to diverse audiences. Among the highlights of ASME's Student Professional Development Conference (SPDC) program is the Old Guard Oral Presentation Competition. This competition is designed to emphasize the value of an ability to deliver clear, concise and effective oral presentations, particularly pertaining to some sphere in which an engineer is or should be involved.

**ASME Old Guard
58th Annual
Oral Competition
Finals
Saturday
November 15, 2014
Room 525B**

November 14-20, 2014 • Montreal, Canada

**ASME 2014 International Mechanical Engineering
Congress & Exposition**

ASME Old Guard Annual Awards for 2013 - 2014

Old Guard Early Career Award

(established 1994)

First Place [Andres E. Rondon Marin](#)

Université Pierre et Marie Curie-Sorbonne

Runner-Up [Jennifer Cooper](#)

Charles T. Main

Student Section Award (established 1919)

Gold Medal Winner [Meredith A. Campbell](#)

Daniel Webster College

Silver Medal Winner [Claire Harper](#)

University of Alabama

The Arthur L. Williston Award

(established 1954)

First Place [Mavila M. Miller](#)

Yale University

Second Place [Bernard K. Witschen](#)

United States Military Academy

Third Place [Uyanna Obinna](#)

University of Evansville

Student Section Advisor Award

(established 1990)

[Antonios Kontsos](#)

Drexel University

Check out all of the
Old Guard Student and
Early Career Programs at:
[https://community.asme.org/
old_guard/w/wiki/4003.about.aspx](https://community.asme.org/old_guard/w/wiki/4003.about.aspx)

District Old Guard Oral Competitions First Place Winners (Spring 2014)

District A [Joseph Kim](#) *Using Artificial Microstructures to Understand Microstructure-Property Relationships in Metallic Glasses*

Yale University

District C [Sean Larsen](#)

The Mechanical Design of a Quadcopter

Milwaukee School of Engineering

District D [Jimmy Ma](#)

UAV for Forest Fire Prediction

San Jose State University

District E [Guillermo E. Gutiérrez Neri](#)

Practical Applications For Solar Energy

Instituto Tecnológico de la Laguna

[Michael Crump](#) *Subsea Fluid Connector*

Texas Tech University

District F [Brandon Horton](#) *Analysis and Development of a Fully Articulated Robotic Bird*

Virginia Tech

District G [Syed Hassan Waqar Gillani](#)

Vertex Unity: A Vertical Take-off Box Wing UAV

UET Lahore

[Kuo Wu Chow](#) *Avoid getting your shoes wet*

while walking on a wet floor

National Tsinghua University

District H [Nicolas Fleury](#)

The Building of a Drone

ISAE-SUPAERO (Toulouse)

District I [Alexander D. Rodriguez Castillo](#)

Development of a Metamodel for the Service Level of

Electric Charging Stations for Plug-in Hybrid Electric Vehicles

Universidad Nacional de Ingeniería

District J [Anomitra Banerjee](#) *Groundwater Remediation through Nanoscale Iron Particles*

Birla Institute of Technology and Science

[Nadia Salman](#) *The Development of Hydrogen*

Embrittlement Resistant Steel Alloys

The Brish University of Egypt

Presentation Order

Room 525B

November 15, 2014

8:30 AM	Room Setup
9:00 AM	Joseph Kim Yale University
9:30 AM	Guillermo E. Gutiérrez Neri Neri Instituto Tech de la Laguna
10:00 AM	Nicolas Fleury ISAE-SUPAERO (Toulouse)
10:30 AM	Anomitra Banerjee Birla Institute of Tech. and Science
11:00 AM	Jimmy Ma San Jose State University
11:30 AM	Brandon Horton Virginia Tech
12:00	Lunch Break
Noon	
1:00 PM	Sean Larsen Milwaukee School of Engineering
1:30 PM	Alexander D. Rodriguez Castillo Universidad Nacional de Ingeniería
2:00 PM	Nadia Salman The Brish University of Egypt
2:30 PM	Michael Crump Texas Tech University
3:00 PM	Kuo Wu Chow National Tsinghua University
3:30 PM	Syed Hassan Waqar Gillani UET Lahore
4:00 PM	Judges Deliberations

Winners to be announced at the
Old Guard - History & Heritage Reception
Room 516C
6:00 PM November 15, 2014