

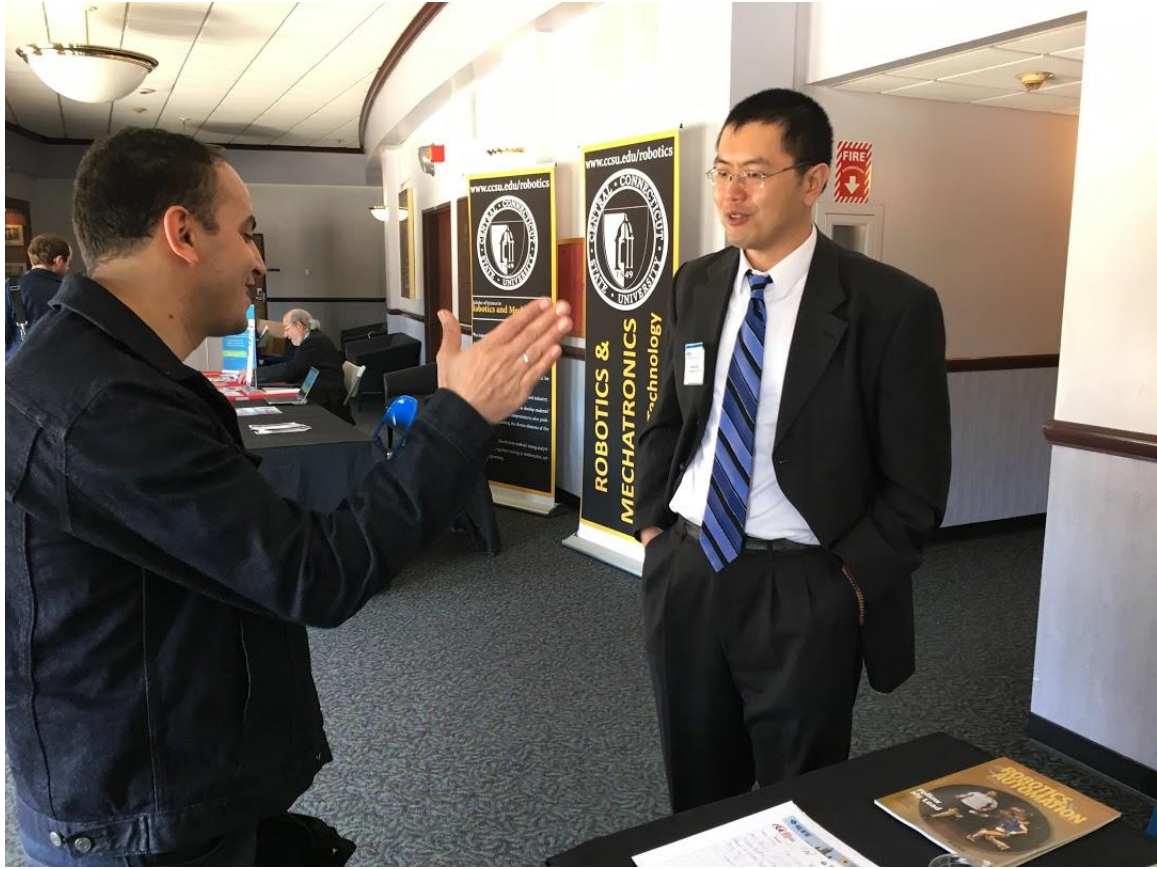
2016 IEEE Region 1 Student Conference

**Central Connecticut State University,
New Britain
16 April, 2016**















2016 IEEE Region 1 Student Conference
PROGRAM AT A GLANCE
<http://ewh.ieee.org/reg1/sac/events.php>

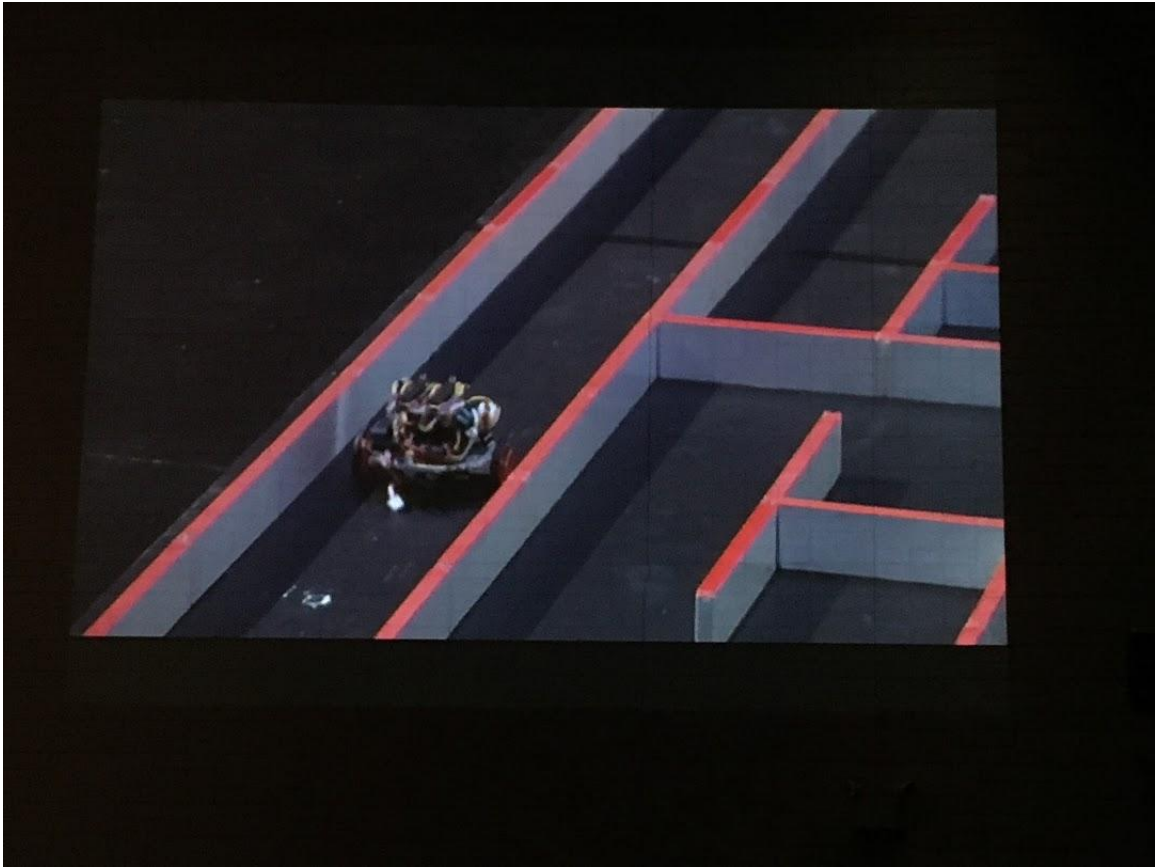


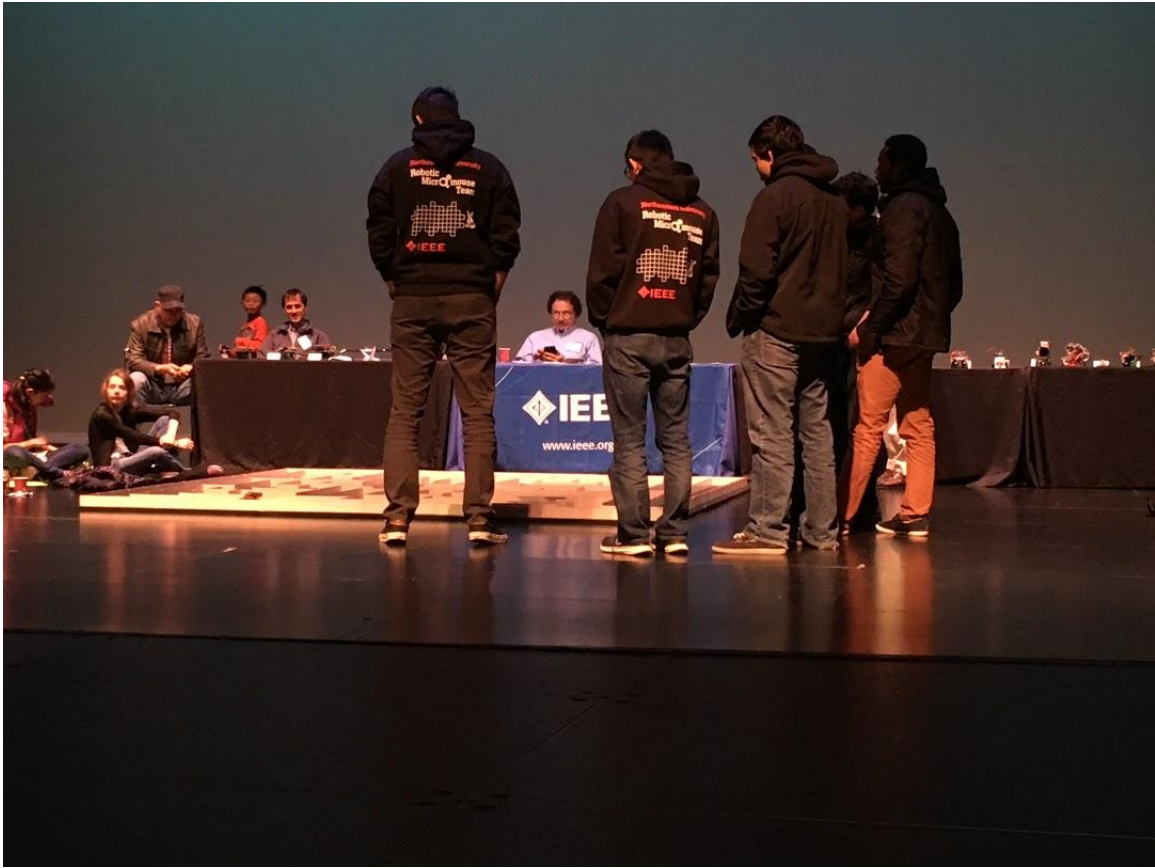
Time	April 15, 2016 Friday	April 16, 2016 Saturday	April 17, 2016 Sunday	Time		
7:30am		Registration Opens at Welte, Breakfast at Hotel	Breakfast at Hotel	7:30am		
8:30am		Welte Auditorium Micromouse Competition (Soon Wan, Chair)	Welte Room 108 Student Paper Contest (Rob Vice, Chair)	Welte Room 109 Student Ethics Competition (Bruce Hecht, Chair)	8:30am	
8:00am				Welte Auditorium Micromouse Hands-On Workshop (Soon Wan)	9:00am	
10:00am				Raffle for \$25 Amazon Gift Card	10:00am	
11:00am					11:00am	
12:00pm		Lunch - Memorial Hall, NW Dining Room	Conference Ends - See You Next Year	12:00pm		
1:00pm		Welte Auditorium *** Plenary Session - Welcome Messages (Charles Rubenstein, James Mulrooney, Ronald Tabroff, Peter Eckstein, Peter Kootsookos)			1:00pm	
2:00pm		Door Prize Drawing: Raffle for \$25 Amazon Gift Card			2:00pm	
3:00pm		Welte Auditorium Robotics Panel Session Part 1: Open Robot Software and Hardware: Collaborate, Connect and Advance (Biao Zhang, Haoyu Wang, Grayson Randall, Minas Liarokapis)	Welte Room 108 Student Branch Leadership Training Part 1: IEEE Builds Better Young Professionals (Kristen MacCartney, Shareyna Scott)	Copernicus Labs 22413 & 22414 ITryRobotic Workshop for Children Grades 3 to 7 (Soon Wan)		3:00pm
3:30pm		Raffle for \$25 Amazon Gift Card	Raffle for \$25 Amazon Gift Card		3:30pm	
4:00pm		Break - End of T-Shirt Competition			4:00pm	
5:00pm		Welte Auditorium Robotics Panel Session Part 2: Open Robot Software and Hardware: Collaborate, Connect and Advance (Biao Zhang, Haoyu Wang, Grayson Randall, Minas Liarokapis)	Welte Room 108 Student Branch Leadership Training Part 2: Essentials of Branch Leadership (Babak Beheshti) Overview of SPAC/SPax (Bala Prasanna)	Copernicus Labs 22413 & 22414 ITryRobotic Workshop for Children Grades 3 to 7 (Soon Wan)		5:00pm
5:30pm		Raffle for \$25 Amazon Gift Card	Raffle for \$25 Amazon Gift Card		5:30pm	
7:00pm	Registration Open Welte	Break			7:00pm	
7:30pm	Welte Room 109 Resume Workshop and Review (Aisha Yousof)				7:30pm	
9:00pm	Welte Room 108+109 Micromouse, Student Paper, and Ethics Competition Briefing + VP Ice Cream Party	Awards Ceremony: Welte Auditorium Dinner Banquet: Memorial Hall, NW Dining Room			9:00pm	

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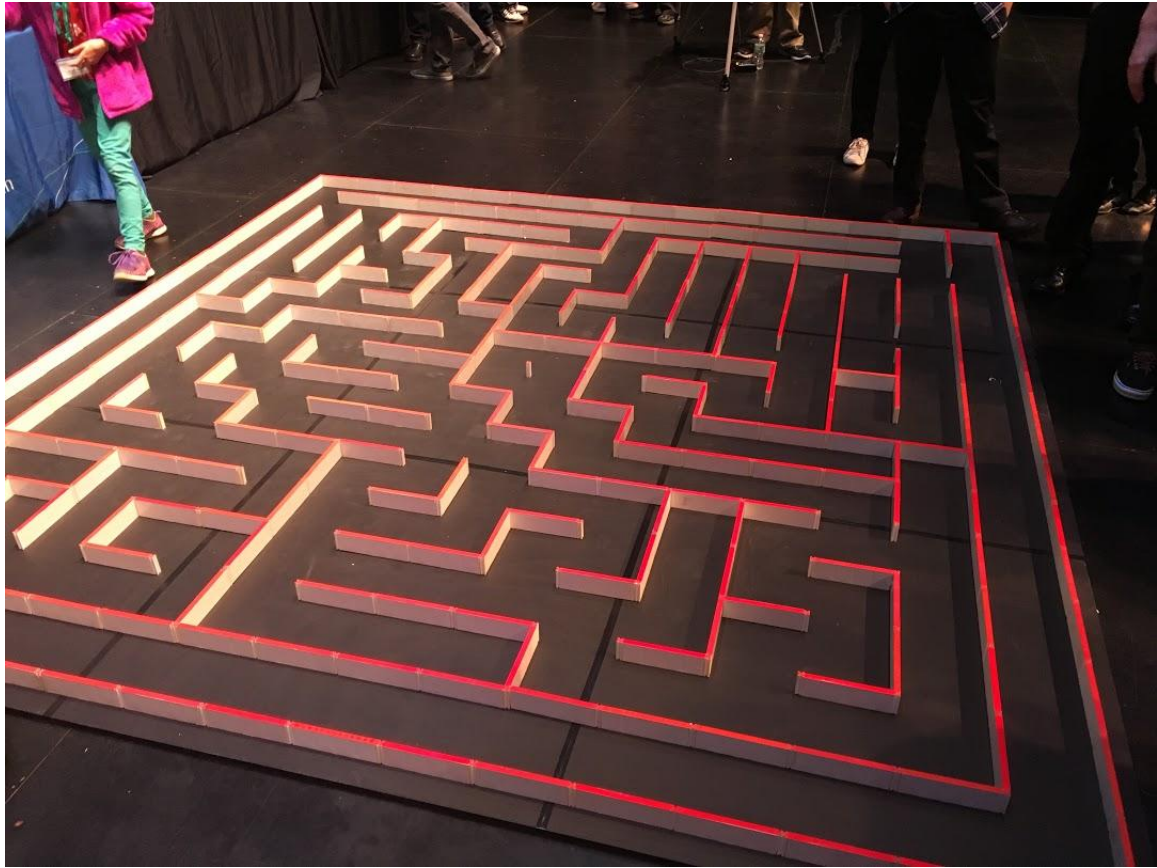


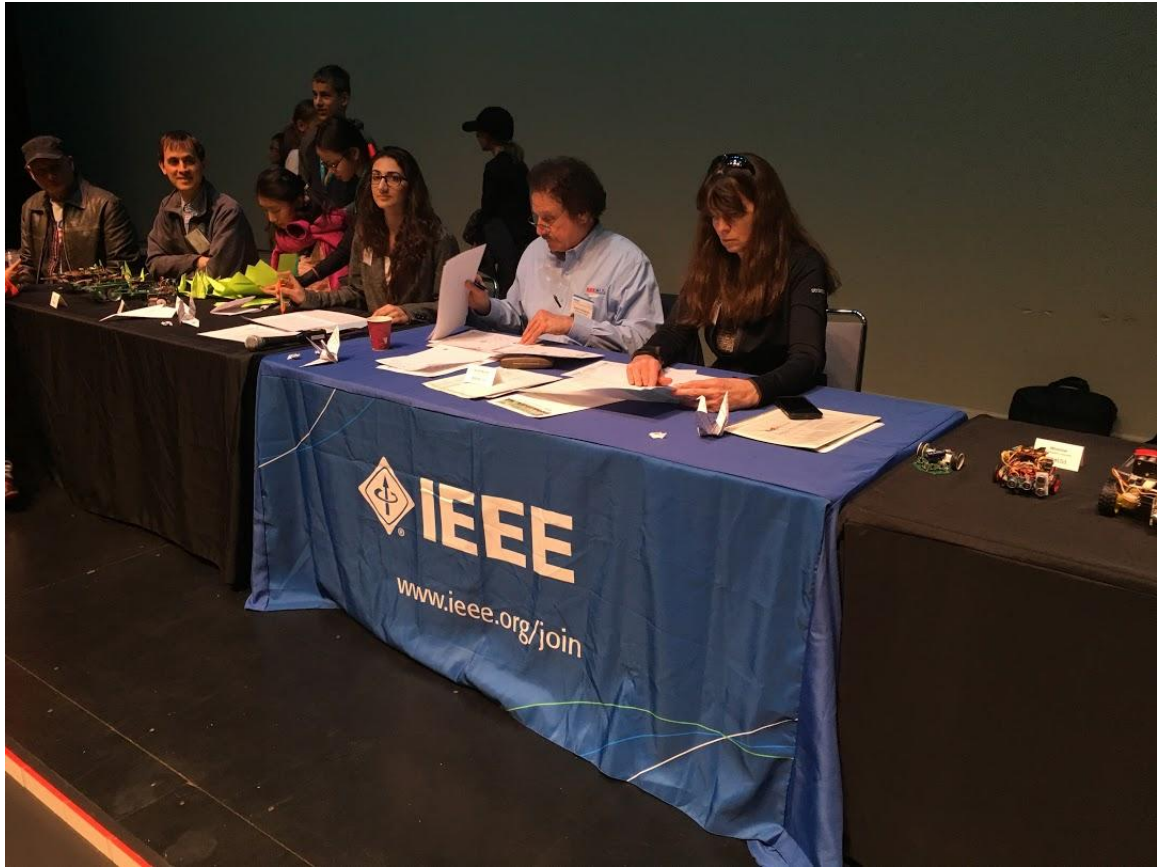






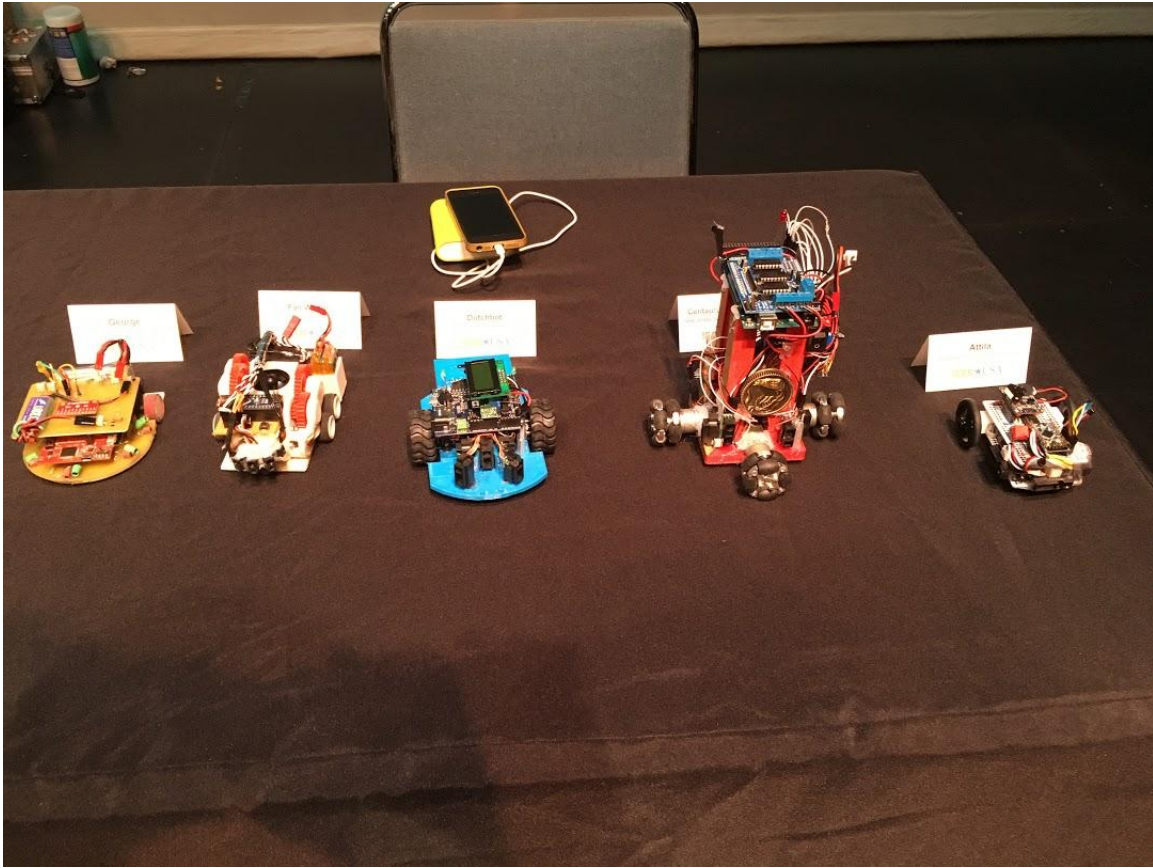


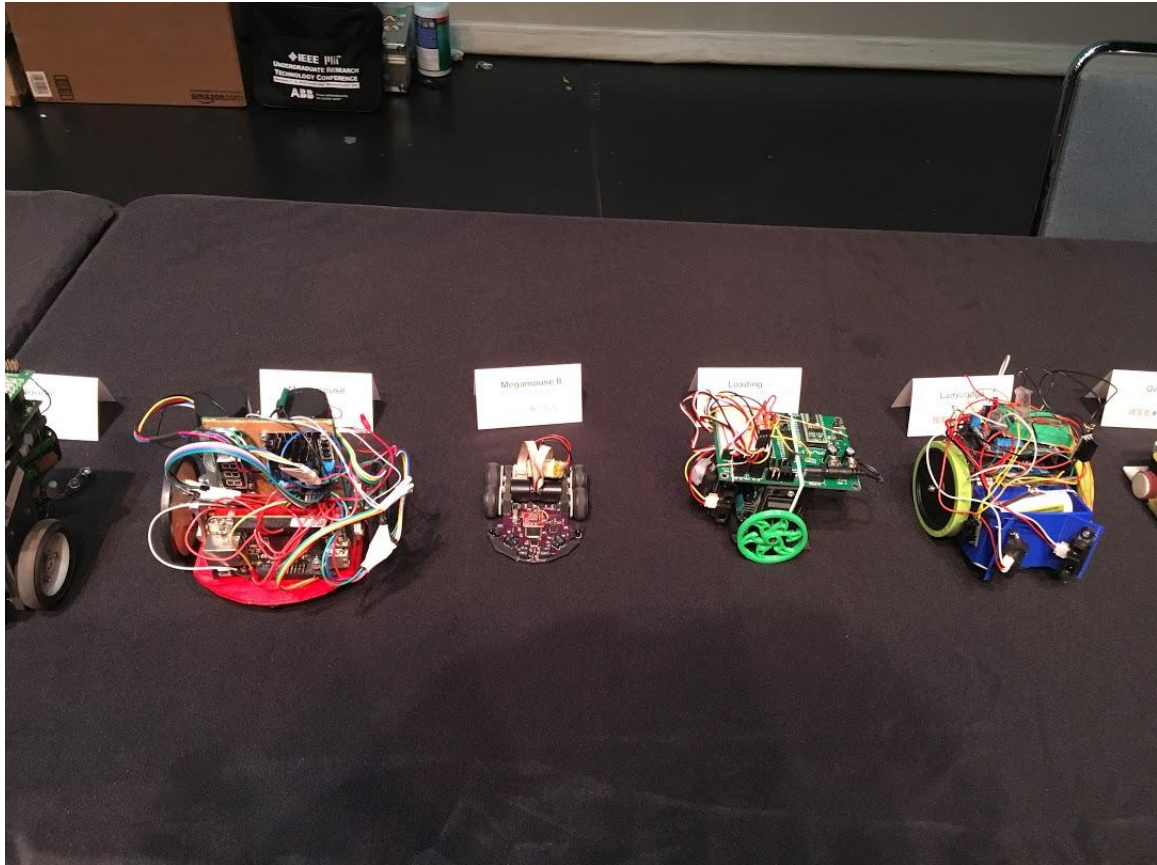






















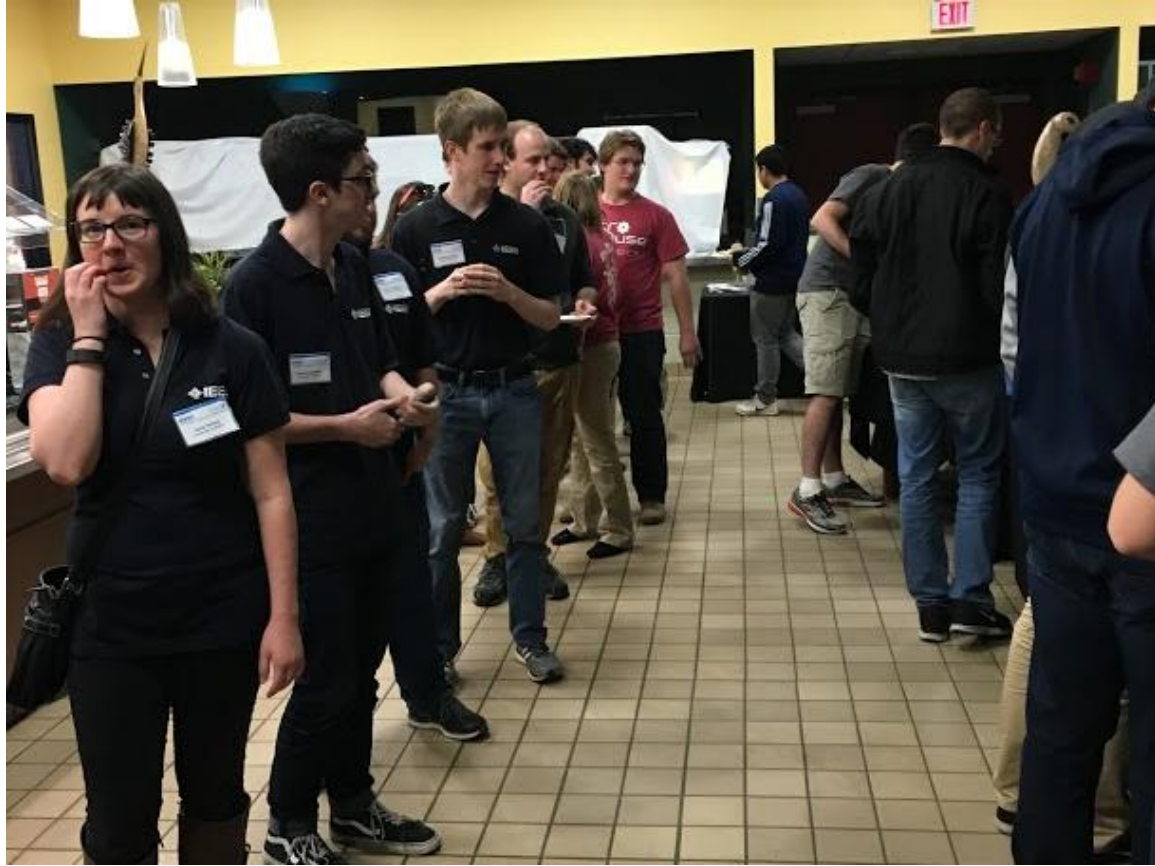














2016 IEEE Region 1 Student Conference
Exhibitors & Patrons

THANK YOU!!!

IEEE-USA
CCSU SEST Dean Dr. Faris Malhas
Smokie Robotics, Inc.
IEEE CT Section & RAS Chapter
IEEE Membership Development
IEEE MGA Student Activities
IEEE Standards Association
IEEE University Partnership Program (UPP)
IEEE WIE (Women in Engineering)





2016 IEEE VIPS

IEEE-USA 2016 President: Peter Eckstein

Region 1 Director: Ron Tabroff

Region 1 Director-Elect: Babak Beheshti

Region 1 Student Activities Chair: Charles Rubenstein

Region 1 Student Representative: Nikhil Shenoy

Region 1 Western Area Chair: Daniel Sniezek

Region 1 Section Vitality Coordinator: Bob Pellegrino

Region 1 Membership Development Chair: Soon Wan

Region 1 Awards Chair: Jason Hui

Region 1 WIE Coordinator: Denise Griffin

Region 1 Connecticut Section Chair: Peter Kootsookos

Region 1 Young Professional Chair: Aisha Yousuf

IEEE Staff: Shareyna Scott

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Welcoming Remarks

James Mulrooney

Associate Dean SEST

Central Connecticut State University

School of Engineering, Science & Technology





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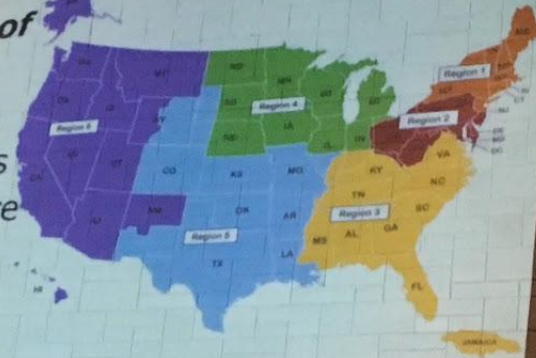




IEEE Region 1 - Northeastern US The Center of Technology

The 8 States of

- Connecticut
- Maine
- Massachusetts
- New Hampshire
- New Jersey
- New York
- Rhode Island
- Vermont



Welcoming Remarks

Region 1
Connecticut Section Chair
Peter Kootsookos
Noster Mobile, LTD





Welcoming Remarks

2016 IEEE-USA President
Peter Eckstein

About the Future Leaders Forum...





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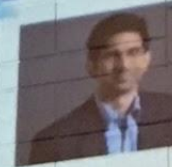






Agenda

- ▶ Introduction and Opening Remark
- ▶ Panel Talks:
 - Engaging Projects for IEEE Members
 - Open Robot Hardware
 - Open Collaboration and Open Skies
- ▶ Panel Discussion



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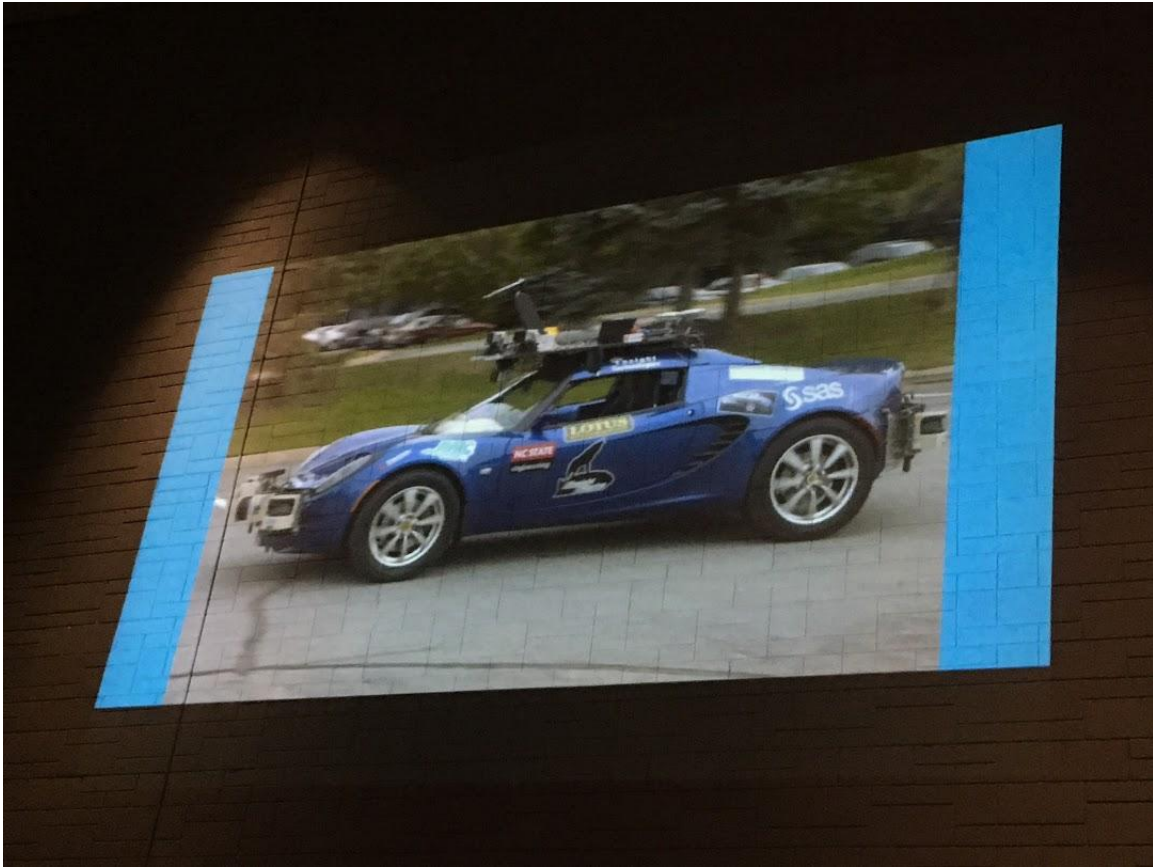












Humanoid Robotics Program

- Started in 2014 to engage chapter members in a challenging technology program
- Created to take into schools and to the public to bring awareness to engineering
- Vision team, AI team, Speech/Hearing team, Structure team, Management team
- 21 people joined the team in the 1st week, got requests from around the state.
- Access to IEEE members around the world with unique skills

Take Away:

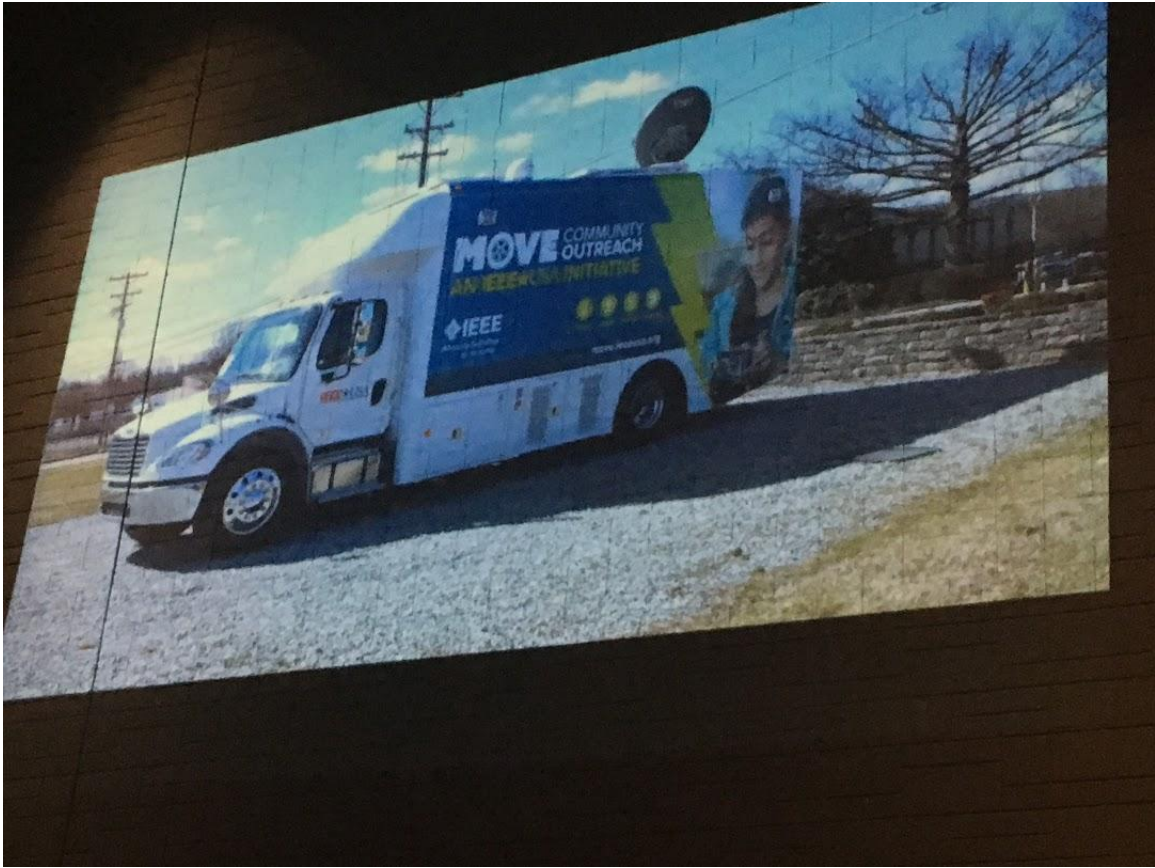
- Engineers love a good challenge -- creates engagement
- Public interest and demo's create new members
- Great way to engage students to encourage them to pursue STEM fields
- Looking to engage Universities and Community Colleges in development



IEEE Foundation Stem Outreach using Student-built Humanoid Robots

- IEEE Foundation provided a grant to build 4 additional Humanoid Robots
- Partnership with local 501 C3 working with students ages 7 to 18
- Students are building the Humanoid robots with IEEE mentors
- Separate team of University students and professors working with IEEE on next generation robot
- Goal to reach 4000 students with Humanoid Robot demonstrations





Do projects work?

Robotics & Automation Chapter meetings per year



2015 R&A Chapter of the Year

What engages members???

*In the "Old" days (before internet),
people came to the IEEE for information.*

*Today, that information is all available online...
So what is it that engages IEEE members???*

- * Ability to network and meet new people*
- * Ways to discover what is happening in their community that is not online*
- * Ability to use, learn, apply skills that they do not use in the regular day job*
- * Working on projects that have social meaning and technical challenges*

Conclusion

- Provide networking time before each meeting
- Have everyone introduce themselves at the beginning of each meeting
 - Name, where they work, what they do
- Meet with other organizations in your community
 - find out what they do
- Address all aspects of your member backgrounds:
 - academic, industry, government, defense, ...
- Start some projects that connect you to the community
- Make your organization/projects known to the public
- Do projects that challenge engineers