2013 IEEE REGION 1 STUDENT CONFERENCE

PATRONAGE / SPONSORSHIP PACKAGE

Soon Wan
(gimsoon@ieee.org)
IEEE Boston Section Past Chair
IEEE Region 1 Membership Development Chair

Sponsored by IEEE Region 1 and MIT
IEEE Region 1 Student Conference Goals

Introduction of IEEE Region 1 and Membership

2013 Student Conference at MIT
- Target, Steering Committee, Program, Keynote Speech, Venue, Current Exhibits
- Student Paper Contest
- Micromouse Competition

Sponsorship and Exhibition Opportunities

2012 and Past Student Conferences
The IEEE Region 1 Student Conference is the premier annual event where all the IEEE student branches from IEEE Region 1 (Northeast Region of United States of America) will meet.

The conference objective is to encourage student competition and provide an opportunity for the students to network and learn from other students from across the Region 1, while applying practical engineering knowledge in the various competitions.

It also provides the great opportunity for the student members to network with the Industry Professionals and the IEEE Leaders.
Where is IEEE Region 1?

- Northeastern Region of United States
- Region 1 consists of the following states:
  - Connecticut
  - Massachusetts
  - Maine
  - New Hampshire
  - New Jersey
  - New York
  - Rhode Island
  - Vermont
IEEE Region 1 Membership

- Total Members = 35,500
  - Student Members = 5,000
  - Young Professional Members = 4,300

- IEEE Boston Section has the highest number of student members in Region 1

- MIT has the highest number of student members in IEEE Boston Section.
2013 IEEE Region 1 Student Conference at MIT
2013 IEEE Region 1 Student Conference

- MIT, Cambridge MA (April 5-6, 2013)

Conference Highlight Program:
- Keynote Speech
- Micromouse Competition and Workshop
- Student Paper Contest
- Student Ethics Competition
- T-Shirt Design
- FIRST Lego Introduction
- Award Dinner Ceremony
Target:

More than 150 Student and Young Professional Attendees

- 20 Student Paper Content Participants
- 20 Micromouse Participants
- 10 Ethics Competition Participants
- 10 T-Shirt Design Participants
Steering Committee Members

– Rob Reilly, Region 1 Student Activities Chair and Boston Education Chapter Chair

– Soon Wan, Region 1 Membership Development Chair and Boston Section Past Chair

– Bruce Hecht, Region 1 Chapters Activities Coordinator and Boston Section Pre-University Activities Chair

– Rob Vice, Boston Section Chair

– Srinivas Vaidyanathan, Boston GOLD Chair

– Charles Rubenstein, Region 1 Past Director
### Friday, April 5, 2013 Program

<table>
<thead>
<tr>
<th>Time</th>
<th>Program</th>
<th>Venue</th>
</tr>
</thead>
<tbody>
<tr>
<td>5:30pm - 7:00pm</td>
<td>Registration</td>
<td></td>
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<tr>
<td>7:00pm - 9:00pm</td>
<td>STEP (Student Transition &amp; Elevation Program)</td>
<td>Le Meridien Hotel - Hunsaker</td>
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<tr>
<td></td>
<td>- Srinivas Vaidyanathan, Introduction of GOLD</td>
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<tr>
<td></td>
<td>- Kapil Dandekar, Engineering Projects In Community Service</td>
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<tr>
<td>9:30pm - 12:00pm</td>
<td>Micromouse Practice</td>
<td>MIT 34-3rd Floor</td>
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**Tour MIT Museum on Sunday, April 7, 2013 (10:00am – 12:00noon)**
<table>
<thead>
<tr>
<th>Time</th>
<th>Program</th>
<th>Venue</th>
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<tbody>
<tr>
<td>8:30am - 9:30am</td>
<td>Registration and Breakfast</td>
<td>MIT 34-401</td>
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<tr>
<td>9:30am - 10:00am</td>
<td>Peter Eckstein, Region 1 Director Welcome</td>
<td>MIT 34-401</td>
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<td></td>
<td>Rob Reilly, Region 1 Student Activities</td>
<td>MIT 34-401</td>
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<tr>
<td>10:00am - 10:30am</td>
<td>Keynote #1</td>
<td>MIT 34-401</td>
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<td>Marc Apter, IEEE-USA President - IEEE-USA Activities</td>
<td>MIT 34-401</td>
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<tr>
<td>10:30am - 10:45am</td>
<td>Break</td>
<td>MIT 34-401</td>
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<tr>
<td>10:45am - 11:30am</td>
<td>Keynote #2</td>
<td>MIT 34-401</td>
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<td>TBD</td>
<td>MIT 34-401</td>
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<tr>
<td>11:30am - 12:00pm</td>
<td>S-PAC Presentation</td>
<td>MIT 34-401</td>
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<td>Rob Vice, IEEE Boston Section Chair</td>
<td>MIT 34-401</td>
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<tr>
<td>12:00pm - 1:30pm</td>
<td>Lunch</td>
<td>MIT 34-401</td>
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<tr>
<td>1:30pm - 4:30pm</td>
<td>FIRST Lego League</td>
<td>MIT 34-304</td>
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<td>- Stephen M. Cremer</td>
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<tr>
<td>1:30pm - 4:30pm</td>
<td>Student Paper Competition</td>
<td>MIT 34-301</td>
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<tr>
<td>1:30pm - 4:30pm</td>
<td>Student Ethics Competition</td>
<td>MIT 34-302</td>
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<tr>
<td>1:30pm - 3:30pm</td>
<td>Micromouse Competition</td>
<td>MIT 34-3rd Floor</td>
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<tr>
<td>3:30pm - 4:30pm</td>
<td>Micromouse Workshop</td>
<td>MIT 34-303</td>
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<td></td>
<td>- Soon Wan, Design and develop a Micromouse</td>
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<tr>
<td>6:30pm - 9:00pm</td>
<td>Award Ceremony and Dinner</td>
<td>Le Meridien Hotel</td>
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<td>- Keynote: Vladimir Bulovic</td>
<td>- Hunsaker</td>
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Over the last two decades, world-wide community of nano-engineers has advanced assembly of nano materials such as molecules, polymers and colloidal quantum dots into active optical and electronic structures of nano-scale thickness, developing them into practical device technologies of high energy efficiency. This paradigm shift in device engineering is the sign of the dawn of the new era of electrical engineering and will define our 21st century pursuits. Through examples of commercial and pre-commercial demonstrations of nanostructured devices developed in the Organic and Nanostructured Electronics laboratory (ONE-lab) at MIT, the talk will highlight the emergence of practical, large-area nano-enabled light emitting devices for lighting, displays, and IR illumination, new types of nano-structured solar cells for ubiquitously deployable energy harvesting, and new nanoscale electro-mechanical structures for computation, actuation and sensing.

Vladimir Bulović is the Professor of Electrical Engineering at MIT, leading the Organic and Nanostructured Electronics laboratory, directing the MIT Microsystems Technology Laboratories, and co-directing the MIT-ENI Solar Frontiers Center. Bulović’s research interests include studies of physical properties of organic and organic/inorganic nanocrystal composite thin films and structures, and development of novel nanostructured optoelectronic devices. He is an author of over 140 research articles (cited over 10,000 times) and an inventor of over 50 U.S. patents in areas of light emitting diodes, lasers, photovoltaics, photodetectors, chemical sensors, programmable memories, and microelectromachines, majority of which have been licensed and utilized by both start-up and multinational companies. He is a founder of QD Vision, Inc. of Watertown MA which is producing quantum dot optoelectronic components, of Kateeva, Inc. of Menlo Park CA which is focused on development of printed organic electronics, and Ubiquitous Energy, Inc. which is developing nanostructured solar technologies.
Region 1 Student Paper Contest

Student Paper Contest

– This competition offers undergraduate IEEE Student Member opportunities to exercise and improve both written and verbal communication skills.

– Primary function is to improve the engineering student’s communicative skills.

– 1\textsuperscript{st} Place: $800, 2\textsuperscript{nd} Place: $500, 3\textsuperscript{rd} Place: $200

– Prizes sponsored by IEEE Life Members Committee
Micromouse Competition

The objective of the competition is to build a robot which can negotiate a specified maze in the shortest time.

- 1st Place: $800, 2nd Place: $500, 3rd Place: $200

- Prizes sponsored by IEEE IBSC (Individual Benefits & Service Committee)
R1 SAC Conference 2013
Hotel: Le Meridien @ MIT
Conference Day: EECS @ MIT

Le Meridien-MIT
20 Sidney Street

MIT Museum
N51 - 265 Mass Ave

MIT EECS
Grier Room 34-401
50 Vassar Street
Le Meridien @ MIT

- Next to MIT campus
- 10-minute walking distance to MIT- EECS (Building 34)
- Next to MIT Museum (Tour on Sunday 10:00am – 12:00noon)
- Banquet space reserved for Friday and Saturday evenings

Le Méridien Cambridge-MIT
20 Sidney Street
Cambridge, MA 02139

Wide Hall for Registration & Exhibits

Hunsaker Ballroom

2013 IEEE Region 1 Student Conference: 16
MIT Building 34

Opening Ceremony and Keynotes at Building 34-401

77 Massachusetts Avenue
Cambridge, MA 02139

Registration and Exhibit Booths - Outside Room 34-401

2013 IEEE Region 1 Student Conference: 17
MIT Building 34

All competitions are at Building 34, 3rd Floor

Area for Micromouse Competition

Classroom 34-301 for Student Paper Contest

Classroom 34-302 for Ethics Competition
Current Exhibits at 2013 Student Conference

- IEEE Membership
- IEEE Power & Energy Society Scholarship Plus Initiative
- IEEE Women In Engineering
- IEEE HKN
- MIT Graduate School Programs
Student Conference Sponsorship and Exhibition Opportunities
Why be a Sponsor?

- Your company name, logo, products and services will be exposed to students and young professionals from all over Northeastern Region of USA (IEEE Region 1). They are the future industry leaders, influential design and development researchers and decision maker engineers who are, year after year, attracted to the conference.

- Your company leaders can participate in the conference keynote speakers program to address and share visions that will significantly impact the future of the world’s industry.

- You’ll have the opportunity to recruit potential leaders.

- Your patronage will validate the leadership of your organization in the industry.
Opportunities Exist for Additional Support

Our targeted sponsor items at the moment are:

- Breakfast ($800)
- Break ($500)
- Lunch ($1,200)
- Award Ceremony and Dinner ($6,000)
- Exhibit Booth ($500)
- 200 T-Shirts with Company Logo ($1500) to give out to each Student attendee
- 200 Conference Badges and Lanyards ($500)
- Conference Program Booklet ($1000)

Your sponsorship includes:
- Recognition at the Networking Reception
- Full page advertisement in the conference program
- Conference Passes
- Speaking opportunity at the conference
- Company Logo on conference website, program booklet, social media, and publicity materials.
Current Sponsors

- IEEE Region 1
  Includes:
  - Students Hotel Accommodation
  - Travel Mileage

- IEEE Education Society

- IEEE Boston Section (STEP Event)

- IEEE MGA GOLD Committee (STEP Event)

- IEEE Life Member Committee (Student Paper Contest)

- IEEE IB&SC (Individual Benefits and Services Committee (Micromouse Competition)
2012 and Past IEEE Region 1 Student Conference
At Hartford, Connecticut
March 8-10, 2012
Conference Programs
- Micromouse Competition
- Micromouse Training Workshop
- Student Paper Contest
- Student Ethics Competition
- T-Shirt Design Competition
155 Student Attendees
Past IEEE Region 1 Student Conferences
Useful Links

- Conference Website:  
  http://sites.ieee.org/r1/committees/students

- To register (deadline is March 31, 2013):  
  https://meetings.vtools.ieee.org/meeting_view/list_meeting/17007

- To submit paper for Student Paper Contest:  
  https://ieee-r1-studentconference.myreviewroom.com
We are looking forward to your support and participation.

For Questions:
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