Engaging IEEE Student Members Worldwide

Region 7 Student Congress
Ontario, Canada 13-14-15 September 2013

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Acronyms Used in This Presentation

- SAC = Student Activities Committee
- MGA = Member and Geographic Activities
- TAB = Technical Activities Board
- GOLD = Graduates of the Last Decade (Young Professionals)
- SPAA = Student Professional Awareness Activities
- SPAC = Student Professional Awareness Committee
- S-PAC = Student Professional Awareness Conference
- STEP = Student Transition Elevation Program
- SM = IEEE Student Member
- GSM = IEEE Graduate Student Member
Our Mission
To deliver a common, high-quality IEEE Student Member experience globally, for life-long professional success through IEEE membership

Our Vision
To be recognized as the global platform to inspire, enable, develop, and support students as the future leaders of our profession
Who is SAC?

- Student Activities Committee Chair, Past Chair, Vice Chair
- 10 Regional Student Activities Committee Chairs (RSAC)
- 10 Regional Student Representatives (RSR)
- Potentials Editor/Student Editor
- GOLD Committee Representative
- TAB Representative
- Branch Chapter Representative/Student Representative
- IEEE-USA SPAC Chair
- IEEE SPAA Subcommittee Chair
- Industrial Representatives
- IEEEEXtreme Lead (Corresponding Member)
- IEEE Staff
2013 Goals: MGA and SAC

1. Provide a World-Class IEEE (Student) Member Experience
2. Expand IEEE’s Global (Student) Membership Presence
3. Modernize the (Student) Volunteer and (Student Member) Experience
IEEE Student Membership – 1963-2012

Data: as of December 2012

116,224
Did You Know?

- 116,224 student members globally, representing 27% of total IEEE membership at the end of 2012
- IEEE student membership has grown 41% since 2009
- Global student branches have increased 29%, from 1,829 to 2,359 since 2009
- Student membership delivered more than 200,000 higher grade members over the last decade
- IEEE Xtreme team participation increased 375% between (409 teams in Xtreme 3.0 v. 1941 in Xtreme 6.0 competitions) since 2009
- Student Professional Awareness Events have increased 70% since 2009
IEEE Student Activities Program Portfolio

Technical Programs & Opportunities
- Technical chapters
- IEEE Xtreme contest
- Robotics contests
- Paper contests
- Project showcases
- Technical speakers
- IEEE Potentials
- Student member discounts
- Student Tracks at Conferences

Volunteer Development
- Regional Student Congresses
- Branch Operations and Leadership

Public Programs & Opportunities
- Humanitarian initiatives
- President’s Change the World competition
- Future Cities/E4C
- Awards & Recognition

Career Programs & Opportunities
- Job fairs
- Soft-skill seminars
- Professional Awareness Events S-PAC/S-PAVe
- Engineers Week
- Networking events
- Ethics competition
IEEEEXtreme
What is IEEEXtreme

IEEEXtreme is a global challenge in which teams of up to 3 IEEE Student (SM) or Graduate Student (GSM) Members, supported by an IEEE Student Branch, advised and proctored by an IEEE member, compete in a 24-hour time span against each other to solve a set of programming problems.
2012 IEEEEXtreme 6.0

- 1941 teams registered – 28% growth from 2011
  - 5100 students; 613 proctors; 50 volunteers/staff
- 60 countries represented from all 10 IEEE regions
- 1931 universities/SB’s with team(s)
- Prizes:
  - 1st place – all expense paid trip for team to IEEE conference anywhere in the world;
  - 2nd and 3rd place – iPads for all team members
  - Top regional runners-up – special IEEE gear
  - All participants – t-shirts and certificates

<table>
<thead>
<tr>
<th>Global Ranking</th>
<th>Team</th>
<th>Country</th>
<th>IEEE Region</th>
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<tbody>
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<td>Sri Lanka</td>
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How to Engage in IEEE Xtreme 7.0 on 26 October 00:00:00 UTC

- Registration will open soon
- www.ieee.org/xtreme
- Facebook: https://www.facebook.com/IEEEXTreme
- Questions: student-services@ieee.org
Student Professional Awareness
What is Professional Awareness?

As defined within IEEE

“Professional awareness is the emphasizing of the importance of the non-technical aspects of engineering to engineers and future engineers.”
Professional Awareness Categories

- **Career growth**
  - Continuing education
  - Effective communication

- **Working**
  - Balancing work with personal life
  - Expectations versus reality

- **Professional ethics and social responsibility**
  - Individual and corporate responsibility
  - Coping with ethical dilemmas

- **Self-management**
  - Managing your career
  - Time management

- **Engineer and public policy**
  - Grassroots activism
  - Understanding how government works

- **Importance of the professional society**
  - Networking
  - Benefits
What Are S-PACs?

- Student Professional Awareness Conferences
- Students plan and run the event with consultation from SPAA Regional Coordinators
- The students do all project management
- Presentation or panel format related to the professional awareness categories
- Topics are selected by students from the Professional Awareness Categories in consultation with SPAA Regional Coordinators
What Are S-PAVes?

- Student Professional Awareness Ventures
- Venture can take on any form except conference or panel presentation format (can be a workshop format)
- Student branch submits proposal based on the Professional Awareness Categories with budget and schedule
- The students do all project management
- Start-up funds are available to initiate venture
- “Free flowing” format enables creativity
### 2012 Worldwide SPAA Events

<table>
<thead>
<tr>
<th>Region</th>
<th>Events</th>
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<tbody>
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<td>Region 1</td>
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<td>Region 9</td>
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<tr>
<td>Region 10</td>
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</tbody>
</table>
How to Engage in SPAA

- www.ieee.org/spac
- SAC SPAA Chair: Ms. Erin Hogbin e.hogbin@ieee.org
- Region 7 Coordinator: Maike Luiken, maike.luiken@ieee.org
- On Facebook at: https://www.facebook.com/groups/ieeeusaspac/
- Note: Some funding is available from IEEE SAC
Other Engagement Opportunities for IEEE Student Branches
IEEE Student Branch Awards

- IEEE Student Enterprise Award
- Larry K. Wilson Regional Student Activities Award
- IEEE Regional Exemplary Student Branch Award
- IEEE Outstanding Branch Counselor Award
- The Darrel Chong Student Activity Award

For more information to engage:

- [http://www.ieee.org/membership_services/membership/students/awards/student_branch_awards.html](http://www.ieee.org/membership_services/membership/students/awards/student_branch_awards.html)
Branch Leadership Training

- Volunteer Training Webinar Series:
  - [http://www.ieee.org/membership_services/membership/ip/students/student_webinars.html](http://www.ieee.org/membership_services/membership/ip/students/student_webinars.html)
- Contact: student-services@ieee.org
- Also - attend a Student Branch Congress (e.g., RRR/RNR)
On-Line Presence/Social Media

- New, improved webpages:
  - [http://www.ieee.org/students](http://www.ieee.org/students)

- Facebook Pages:
  - IEEE Students - 15,000 likes [https://www.facebook.com/IEEEStudents](https://www.facebook.com/IEEEStudents)
  - IEEE Xtreme - 18,000 likes [https://www.facebook.com/IEEEEXtreme](https://www.facebook.com/IEEEEXtreme)

- Need support?
  - [student-services@ieee.org](mailto:student-services@ieee.org)
Your Next STEP in IEEE
Student Transition & Elevation Partnership (STEP)

- IEEE GOLD’s (Young Professional) Student Transition & Elevation Partnership (STEP) Program assist member satisfaction/retention as student members are elevated from student level to higher grade member.

- Engagement and outreach opportunity facilitates the transition from student member to young professional.

- Introduces the opportunities and benefits of IEEE membership during the onset of a career.
Student Transition & Elevation Partnership (STEP) Benefits

- Meet local young professionals.
- Introduction to the greater IEEE network through the GOLD (Young Professional) Affinity Group in the local section.
- Recognition for their accomplishments while being welcomed into the professional IEEE community.
- Increased awareness of IEEE benefits for young professionals.
- Career enhancement, networking, and professional development activities at the STEP event.
- Note: funding from MGA available, up to US $500 per event
## STEP Statistics

<table>
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<tr>
<th>Region</th>
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<tr>
<td>Total</td>
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Note: some STEP events may have had Section/Region funding and are not included in totals. MGA can fund up to 50 events per year worldwide.
Pictures from STEP Events Around the Globe
How to Engage in STEP

- Contact STEP at [step@ieee.org](mailto:step@ieee.org) or [student-services@ieee.org](mailto:student-services@ieee.org)
- GOLD/Young Professionals On Facebook at: [https://www.facebook.com/groups/5999404766/](https://www.facebook.com/groups/5999404766/)
- Note: Some funding is available from IEEE GOLD/Young Professionals
SAC’s Vision…

- IEEE will have diversified the student membership to reflect our designated fields of interest/interdependent professions.
- Students will know that their positive campus experience and activities are just the beginning of their relationship with IEEE.
- Member benefits consistently exceed costs and students elevate to higher grade because they see quality and value.
- Staff and volunteers understand, deliver and surpass expectations with strengthened support and partnerships between other IEEE entities.
Your IEEE Roadmap

- Join
- Participate
- Volunteer
- Lead

Questions?

student-services@ieee.org