CMD Chairs Report

Chapters Annual Meeting

Sunday Workshop, 1st Oct 2017

Dr. Peter Magyar, IEEE Fellow

IAS Chapters and Membership Department Chair
IAS Overview

- History
- Technical activity
- Publications
- Conferences
- Membership
- Chapters
- Support programs
IAS Membership
IEEE Regions

- Northeastern U.S. (Region 1)
- Eastern U.S. (Region 2)
- Southeastern U.S. (Region 3)
- Central U.S. (Region 4)
- Southwestern U.S. (Region 5)
- Western U.S. (Region 6)
- Canada (Region 7)
- Europe, Middle East & Africa (Region 8)
- Latin America (Region 9)
- Asia and Pacific (Region 10)
Membership, Dec 2016
~14,000 members / 3,500 students

IAS Members by Line of Business

- Manufacturing Industry, Energy, Commerce, and Transportation: 5%
- Other Industries & Non-specified: 41%
- Students, University & Indep. Research: 35%
- Retired: 19%

IAS Members by Grade

- Affiliate & Associate: 3%
- Fellow & LF: 1%
- Senior & LS: 7%
- Member & LM: 16%
- Undergrad. Student: 54%
- Graduate Student: 19%

54% Industry Sector, 70% Member & SM, 26% Student, 3% Fellow
Membership Distribution

IAS Membership by Region

IAS New Members 2016 by Region

Globalization:
53% of total, 81% of new members outside N-America

Renewal:
3,969 new members joined IAS in 2016
New members 2016

3,969 new members joined IAS 2016
2,653 of them (67%) were student
3,969 new members in 2016
~50% less than 5 years of membership

Membership total: 14,020 (2016)
13,314 (2015)
12,238 (2014)
10,892 (2013)
IAS Current membership (July 2017)

- IAS total membership
  - July ’16 - July ’17

- IAS membership v. IEEE society membership
  - HG+GSM
    - IAS: 10,553
    - IEEE: 267,768
    - YoY change: 0.7% (-3.3%)
  - UGS
    - IAS: 3,022
    - IEEE: 23,616
    - YoY change: 33.8% (24.6%)
  - Total
    - IAS: 13,475
    - IEEE: 300,637
    - YoY change: 6.7% (-1.8%)

IAS is the 5th largest Society
- 1st CS ~48,000
- 2nd PES ~35,000
- 3rd ComSoc ~26,000
- 4th SP ~15,000
### Student members (UG and GS)
#### Top 10 List, Dec 2016

<table>
<thead>
<tr>
<th>Rank</th>
<th>Country</th>
<th>Number of student members</th>
<th>R1-7</th>
<th>R8</th>
<th>R9</th>
<th>R10</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>India</td>
<td>523</td>
<td></td>
<td></td>
<td></td>
<td>x</td>
</tr>
<tr>
<td>2</td>
<td>Bangladesh</td>
<td>421</td>
<td></td>
<td></td>
<td></td>
<td>x</td>
</tr>
<tr>
<td>3</td>
<td>Tunisia</td>
<td>347</td>
<td></td>
<td></td>
<td></td>
<td>x</td>
</tr>
<tr>
<td>4</td>
<td>Peru</td>
<td>327</td>
<td></td>
<td></td>
<td></td>
<td>x</td>
</tr>
<tr>
<td>5</td>
<td>Ecuador</td>
<td>123</td>
<td></td>
<td></td>
<td></td>
<td>x</td>
</tr>
<tr>
<td>6</td>
<td>Jordan</td>
<td>104</td>
<td></td>
<td></td>
<td></td>
<td>x</td>
</tr>
<tr>
<td>7</td>
<td>Colombia</td>
<td>76</td>
<td></td>
<td></td>
<td></td>
<td>x</td>
</tr>
<tr>
<td>8</td>
<td>Sri Lanka</td>
<td>73</td>
<td></td>
<td></td>
<td></td>
<td>x</td>
</tr>
<tr>
<td>9</td>
<td>Greece</td>
<td>63</td>
<td></td>
<td></td>
<td></td>
<td>x</td>
</tr>
<tr>
<td>10</td>
<td>USA</td>
<td>48</td>
<td></td>
<td></td>
<td></td>
<td>x</td>
</tr>
<tr>
<td></td>
<td><strong>% of the top 10</strong></td>
<td><strong>100%</strong></td>
<td>2%</td>
<td>25%</td>
<td>26%</td>
<td>53%</td>
</tr>
</tbody>
</table>
IAS Chapters

The chapter is the local organization of Society members in a geographic Section
Current rules for formation of IEEE Chapters

Section members

- Non-Society members
  - Not eligible for creating a chapter

- Society members
  - Student grade members
  - Non-members of SB
  - SB members
  - Higher grade members
    - Eligible for creating a chapter
Favored rules for formation of IEEE chapters

Section members

Non-Society members
- Not eligible

Society members
- Student grade members
- Non-members of SB
- SB members

Higher grade members
- Shall be eligible for creating a chapter

Non-Society members
- Shall be eligible for creating a chapter
Proposed structure of IEEE chapters

Section members

Non-Society members

Society members

Student grade members

Non-members of SB

SB members

Higher grade members

Not eligible

Student Technical Chapter

Student Branch Chapter

Section Technical Chapter
There are two kinds of chapters currently:

- Technical Chapter of a Section
- Technical Chapter of a Student Branch (SB)

Technical / Section Chapter

- IEEE Society
- IEEE Section

Student Branch Chapter

- IEEE Society
- IEEE Student Branch of a University
140 new IAS chapters 15´Jan – 17´Sep
~40% of the chapters are existing less than 3 years

- Section Technical Chapters (17)
- Student Branch Chapters (123)
- Chapters total (140)
Chapter development 1964-2017
"Way from 0 to 360"

The majority of the IAS chapters are IAS student branch chapters globally.

Student Chapters (205)  Section Chapters (155)
Chapters total (360)
The majority of the IAS chapters are IAS student branch chapters.
Regions / Sections with significant number of student chapters

![Chart showing regions with significant number of student chapters. The chart compares technical chapters and student chapters for various regions. The regions are: R2, USA, R4, USA, R5, USA, R6, USA, R7, Canada, R8, Egypt, R8, Jordan, R8, UK, R9, Tunisia, R9, Argentina, R9, Brazil, R9, Colombia, R9, Mexico, R9, Peru, R10, Australia, R10, China, R10, Korea, R10, Bangladesh, R10, Pakistan, R10, Sri Lanka, R10, Taiwan, R10, India. The numbers of student chapters range from 0 to 39, with India having the highest number at 39.](image-url)
The latest SB Chapter is an Indian SB Chapter

Computer Laboratory of the Panimalar Institute of Technology, Chennai
Location of one of the 39 Indian SB IAS chapters
The latest Chapter is the Jordan Section IAS Chapter

Petition submitted on September 25, 2017
Basic Membership Benefits
Basic benefits

- Membership fee for the IA-Society (US$10 students, US$20 for higher grade)

- The membership includes
  - Online IAS Newsletter, monthly
  - Industry Application Magazine, printed version, bimonthly
  - Access to IEEE Xplore
  - US$300…600 rebate at IAS supported conferences
  - US$50…200 rebate at conference tutorials
  - Participation possibility in technical committees
  - Access to IAS Webinars

- Being member of a ~14,000-member community

- We provide free first year membership
Free first year membership
„The Best Things in Life Are Free“

- The promotion code is available at the conference information desks
- Promotion code since 2013
- Membership growth since 2011
Free first year membership
„The Best Things in Life Are Free“

- The promotion code is available at the conference information desks
- Promotion code since 2013
- Membership growth since 2011

The Best Things In Life Are Free
Today:
Free One Year Higher Grade and Student Membership for New IAS Members
Please Contact The IAS Info Desk

IASMBR2018
IAS Supports Chapter Activities
Financial support

Subsidies

- $500 starting subsidy for new chapters
  - 25 chapters received 2017
  - 29 chapters haven’t submitted the claim yet

- Subsidy on technical activities on demand and availability and CMD approval

Financial approval / claim process

- Be precise at using the name and account of the beneficiary
- Provide supporting documents
- Get your claim approved / signed first
Myron Zucker Programs

- Student Travel Programs
  - ~30 conference travel awards

- Undergraduate Student Engineering Design Contest
  - Individual and team contest

- Student-Faculty Research Grant Program
  - Two projects founded by $25,000 each.
DLs are experts
PRs are members of the previous DL team

2016
- 7 DLs and 11 PLs
Total number of lectures ~15

2017-2018
- 12 DLs and 7 PLs

IAS provides travel subsidy
- $1,000 per lecture for DLs
- $600 per lecture for PLs

Process description and request form available in
http://ias.ieee.org/chapters-membership/distinguished-lecturer-program.html
IAS Distinguished Lecturers 2017-18

USA

Canada

United Kingdom

Denmark

Argentina

Bangladesh

S-Korea
IAS DLs by lecture topics

Power Electronics

Education  Nuclear  DC-Grid  Electrical Machines

31  11/28/2017
Distinguished Lecturer Program

DL and PL travels by year

<table>
<thead>
<tr>
<th>Year</th>
<th>DL and PL</th>
<th>DL and PL</th>
</tr>
</thead>
<tbody>
<tr>
<td>2012</td>
<td>7</td>
<td></td>
</tr>
<tr>
<td>2013</td>
<td>16</td>
<td></td>
</tr>
<tr>
<td>2014</td>
<td>18</td>
<td></td>
</tr>
<tr>
<td>2015</td>
<td>6</td>
<td></td>
</tr>
<tr>
<td>2016</td>
<td>13</td>
<td></td>
</tr>
<tr>
<td>2017</td>
<td>31</td>
<td></td>
</tr>
</tbody>
</table>

IEEE
DL and PL 2017 by category

- Power Electronics: 17 lectures, 6 lecturers, 2.8 average
- Electrical Machines: 7 lectures, 3 lecturers, 2.3 average
- Nuclear: 5 lectures, 2 lecturers, 2.5 average
- Control: 2 lectures, 1 lecturer, 2 average
IAS Sponsors Technical Conferences
IAS sponsor or co-sponsor of ~38 conferences 2017

- IEEE Applied Power Electronics Conference and Exposition (APEC)
- IEEE-IAS/PCA Cement Industry Conference
- IEEE Energy Conversion Congress and Exposition (ECCE)
- IEEE Petroleum and Chemical Industry Annual Conference (PCIC)
- IAS Annual Meeting
- ....... Other ~33
**IAS is very proud of being technical co-sponsor of student led technical conferences**

<table>
<thead>
<tr>
<th>Conference</th>
<th>Status</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>International Youth Conference on Energy, IYCE</strong>&lt;br&gt;- BUTE SB PES/IAS Chapter, Hungary</td>
<td>Bi-annually</td>
</tr>
<tr>
<td><strong>Workshop on Power El. and Power Quality Appl., PEPQA</strong>&lt;br&gt;- University of los Andes SB IAS Chapter, Colombia</td>
<td>Bi-annually</td>
</tr>
<tr>
<td><strong>Power and Energy Conference in Illinois, PECI</strong>&lt;br&gt;- University of Illinois Urbana-Champaign SB PES/IAS/PELS Chapter, PECI, Urbana-Champaign, USA</td>
<td>Annually</td>
</tr>
<tr>
<td><strong>Power and Energy Conference at Texas, TPEC</strong>&lt;br&gt;- Texas A&amp;M University SB PES/IAS/PELS Chapter, USA</td>
<td>Bi-annually</td>
</tr>
<tr>
<td><strong>International Young Scientists Forum</strong>&lt;br&gt;- IRE NASU SB IAS Chapter, Ukraine, (Co-organizer)</td>
<td>Annually</td>
</tr>
<tr>
<td><strong>Future Integrated Network System, FINS</strong>&lt;br&gt;- University of Strathclyde SB IAS/PELS Chapter&lt;br&gt;- University of Sheffield SB IAS Chapter&lt;br&gt;- University of Stirling SB IAS Chapter&lt;br&gt;- Glasgow Caledonian University SB IAS/PELS Chapter, United Kingdom</td>
<td>Starting March 2018</td>
</tr>
</tbody>
</table>
"The Club of the 6"
IAS is technical co-sponsor of 6 student led technical conferences

Formation Meeting: Portland WA, USA, Oct 5, 2016

Presentations:
Sunday Workshop, Oct 1, 13:25
Plans for supporting further student technical conferences, e.g.

- Summer Academy on Energy
  - Budapest University of Technology and Economics (BUTE) SB PES/IAS Chapter
  - Student Association on Energy, BUTE
Plans for supporting further student technical conferences, e.g.

- First Summer School on Smart Cities, 6-11 Aug 2017
  - Federal University of Rio Grande do Norte, Nathal, Brazil
IAS Supports Meetings
Why are meetings important?

- Establishing contacts is essential
- Networking

World Airline Route Map

Silk Road Routes
Establishing contacts is essential.... Meeting statistics

- Number of chapter meetings supported by the IAS President and/or CMD Chair in 2017
  - Regional and international S, SYP, WIE 16
  - Student led technical events 7
  - Chapter organized events 14
  - Conferences 14

- Largest meeting: CMD and Chapter Annual Meeting
## Supported Meetings since June ´17

<table>
<thead>
<tr>
<th>Date</th>
<th>Event</th>
<th>EB / CMD attendance</th>
<th>Info desk</th>
<th>Student volunteer(s)</th>
</tr>
</thead>
<tbody>
<tr>
<td>June 19-20</td>
<td>Chapter meetings, Seoul and Jeonyu</td>
<td>T. Sebastian</td>
<td>N</td>
<td>-</td>
</tr>
<tr>
<td>June 22-27</td>
<td>ITEC 2017, Chicago IL</td>
<td>-</td>
<td>Y</td>
<td>2 info desk</td>
</tr>
<tr>
<td>July 17</td>
<td>University Federal da Parabia / Student Entering Reception, Brazil</td>
<td>-</td>
<td>Y</td>
<td>local</td>
</tr>
<tr>
<td>July 13-15</td>
<td>WIE ILS Goa, India</td>
<td>-</td>
<td>Y</td>
<td>1 info desk &amp; 1 WIE</td>
</tr>
<tr>
<td>July 21-24</td>
<td>IYCE ´17 Student led conference Budapest, Hungary</td>
<td>G. Zissis, P. Magyar</td>
<td>Y</td>
<td>2 info desk &amp; 6 WIE</td>
</tr>
<tr>
<td>Aug 1-4</td>
<td>Middle-East SYP, Tunis, Tunisia</td>
<td>-</td>
<td>Y</td>
<td>1 info desk &amp; 1 WIE</td>
</tr>
<tr>
<td>Aug 08</td>
<td>IEEE Summer School on Smart Cities, UFNK, Brazil</td>
<td>-</td>
<td>Y</td>
<td>local</td>
</tr>
<tr>
<td>Date</td>
<td>Event</td>
<td>EB / CMD attendance</td>
<td>Info desk</td>
<td>Student volunteers</td>
</tr>
<tr>
<td>------------</td>
<td>---------------------------------------------------------------------------------------------------------------------------------------</td>
<td>---------------------</td>
<td>-----------</td>
<td>--------------------</td>
</tr>
<tr>
<td>Aug 7-10</td>
<td>ITEC 2017 Asia-Pacific, Harbin, China</td>
<td>-</td>
<td>Y</td>
<td>2 info desk</td>
</tr>
<tr>
<td>Aug 10</td>
<td>Macquaire University, Sydney, NSW, Australia</td>
<td>Tomy S., P. Magyar</td>
<td>N</td>
<td>-</td>
</tr>
<tr>
<td>Aug 11</td>
<td>NSW Section IAS/PELS Chapter, University of Sydney SB IAS Chapter Sydney, NSW, Australia</td>
<td>Tomy S, Po-Tai Chen, Bob L, P. Magyar</td>
<td>N</td>
<td>-</td>
</tr>
<tr>
<td>Aug 11-13</td>
<td>Sections Congress 2017, Sydney, NSW, Australia</td>
<td>Tomy S, P. Magyar</td>
<td>Y</td>
<td>-</td>
</tr>
<tr>
<td>Aug 11-13</td>
<td>ICEMS 2017, Sydney, NSW, Australia</td>
<td>Tomy S, P. Magyar</td>
<td>-</td>
<td>-</td>
</tr>
<tr>
<td>Aug 14</td>
<td>Queensland Section IES/IAS/PELS Chapter, Brisbane, QLD, Australia</td>
<td>Tomy S, P. Magyar</td>
<td>Y</td>
<td>-</td>
</tr>
<tr>
<td>Date</td>
<td>Event</td>
<td>EB / CMD attendance</td>
<td>Infodek</td>
<td>Student volunteers</td>
</tr>
<tr>
<td>------------</td>
<td>------------------------------------------------------------------------</td>
<td>---------------------</td>
<td>---------</td>
<td>--------------------</td>
</tr>
<tr>
<td>Aug 17-18</td>
<td>5th Peruvian IAS WS in conjunction with INTERCON´17, Cuzco, Peru</td>
<td>Tomy Sebastian</td>
<td>Y</td>
<td>-</td>
</tr>
<tr>
<td>Aug 16</td>
<td>Meeting with Victoria University SB, Melbourne, VIC, Australia</td>
<td>Peter Magyar</td>
<td>Y</td>
<td>-</td>
</tr>
<tr>
<td></td>
<td>Meeting with the Latrobe University SB, Melbourne, VIC, Australia</td>
<td>Peter Magyar</td>
<td>N</td>
<td>-</td>
</tr>
<tr>
<td>Aug 17</td>
<td>Inauguration Meeting, Deakin University, Geelong, VIC, Australia</td>
<td>Peter Magyar</td>
<td>Y</td>
<td>-</td>
</tr>
<tr>
<td></td>
<td>IEEE Industry Networking Night, Panel Discussion with IEEE President, IAS was sponsor</td>
<td>Peter Magyar</td>
<td>Y</td>
<td>-</td>
</tr>
</tbody>
</table>
## Supported Meetings since June ´17

<table>
<thead>
<tr>
<th>Date</th>
<th>Event</th>
<th>EB / CMD attendance</th>
<th>Info desk</th>
<th>Student volunteers</th>
</tr>
</thead>
<tbody>
<tr>
<td>Aug 18</td>
<td>Meeting with University of Melbourne SB, Melbourne VIC</td>
<td>Peter Magyar</td>
<td>Y</td>
<td>-</td>
</tr>
<tr>
<td>Aug 20</td>
<td>Social meeting with the Royal Melbourne Institute of Technology SB IAS Chapter</td>
<td>Peter Magyar</td>
<td>N</td>
<td>-</td>
</tr>
<tr>
<td>Aug 21</td>
<td>Leadership meeting with the Royal Melbourne Institute of Technology SB IAS Chapter, Melbourne VIC</td>
<td>Peter Magyar</td>
<td>Y</td>
<td>-</td>
</tr>
<tr>
<td></td>
<td>Meeting with Monash University Clayton SB, Melbourne VIC</td>
<td>Peter Magyar</td>
<td>Y</td>
<td>-</td>
</tr>
<tr>
<td>Sep 8-10</td>
<td>ASYPC2017 – R8 African Student and YP Conference</td>
<td>-</td>
<td>Y</td>
<td>local</td>
</tr>
</tbody>
</table>
### Supported Meetings since June ’17

<table>
<thead>
<tr>
<th>Date</th>
<th>Event</th>
<th></th>
<th></th>
<th></th>
</tr>
</thead>
</table>
| Sep 30 – Oct 05 | IAS Annual Meeting  
- CMD Department Meeting  
- Annual Chapter Workshop (~200 attendees)  
- Poster Session (20 Posters)  
- Zucker Luncheon  
- Technical Sessions #5, #6  
- CMD Dinner  
- IAS/PELS Joint Reception  
- IEEE Day | EB / CMD attendance | Info desk | Student volunteers |
| Oct 1-5 | ECCE 2017 | Y | 2 info desk |
Next events to be visited

<table>
<thead>
<tr>
<th>Date</th>
<th>Event</th>
</tr>
</thead>
<tbody>
<tr>
<td>Oct 11-14</td>
<td>R9 RRR – Regional Student Branch Meeting, Cusco, Peru</td>
</tr>
<tr>
<td>Oct 15</td>
<td>IAS Workshop Bahrain, hosted by the IEEE Bahrain Section, the University of Bahrain and the Bahrain Section IAS Chapter, Manama, Bahrain</td>
</tr>
<tr>
<td>Oct 17-18</td>
<td>YSF 2017 – IEEE International Young Scientists Forum, Lviv, Ukraine</td>
</tr>
<tr>
<td>Nov 15-17</td>
<td>IAS Chapter Workshop in conjunction with CONCAPAN 2017, Managua, Nicaragua</td>
</tr>
<tr>
<td>Dec, TBD</td>
<td>- Chapter visit tour in India</td>
</tr>
<tr>
<td></td>
<td>- ITEC 2017, Pune, India</td>
</tr>
<tr>
<td></td>
<td>- TSYP 2017, Hamamet, Tunisia</td>
</tr>
</tbody>
</table>
Establishing contact is essential
....at student conference Peru
Establishing contact is essential at a chapter inauguration in China
Establishing contact is essential....at student Student led conference IYCE
Establishing contact is essential
Conference encounter
Establishing contact is essential
Leadership meeting
Establishing contact is essential
Social meeting
Establishing contact is essential
Direct contact and IEEE know-how transfer
Establishing contact is essential
.... Result: signing of the petition on-site in Iran
Establishing contact is essential
....at conference information desk at APEC
Travel Programs
We have several travel programs...

Individual...

Team...

Dream...
## Individual travel programs

<table>
<thead>
<tr>
<th>Program</th>
<th>Attributes</th>
<th>No. of grantees</th>
</tr>
</thead>
<tbody>
<tr>
<td>Student Conference Publication and Travel Program</td>
<td>- Up to $500 travel aid - Condition: accepted paper</td>
<td>10...15 (9 in 2017)</td>
</tr>
<tr>
<td>Conference Information Desk Volunteer Program</td>
<td>- Registration, travel, accommodation will be covered, up to $2,200 - Serving at the conference</td>
<td>28 students 2017</td>
</tr>
<tr>
<td>Invited members to represent EB, CMD or student conferences at regional events</td>
<td>- Activity depending</td>
<td>~5</td>
</tr>
</tbody>
</table>
# Individual travel programs (cont.)

<table>
<thead>
<tr>
<th>Program</th>
<th>Attributes</th>
<th>No. of grantees</th>
</tr>
</thead>
<tbody>
<tr>
<td>IAS Technical Departments’ Travel Programs to visit IAS Conferences</td>
<td>$600…$1000</td>
<td>~20…30</td>
</tr>
<tr>
<td>ESW, PCIC, I&amp;CPS, Cement, Pulp &amp; Paper, Rural El Power</td>
<td></td>
<td></td>
</tr>
<tr>
<td>APEC – PSMA Travel Award Program</td>
<td>$1000</td>
<td>~60</td>
</tr>
<tr>
<td>ECCE Travel Award Program</td>
<td>$600</td>
<td>~90</td>
</tr>
<tr>
<td>IAS AM Zucker Travel Program (organized by CMD)</td>
<td>Registration, hotel, travel</td>
<td>12</td>
</tr>
<tr>
<td>($300-$800)</td>
<td></td>
<td></td>
</tr>
<tr>
<td>IAS CMD AMTGP Program to attend the Annual Meeting (organized by CMD)</td>
<td>Registration, hotel, travel</td>
<td>125 (2015)</td>
</tr>
<tr>
<td>($300-$800)</td>
<td></td>
<td>150 (2016)</td>
</tr>
<tr>
<td></td>
<td></td>
<td>175 (2017)</td>
</tr>
</tbody>
</table>
# Special travel program
## WIE Initiative

<table>
<thead>
<tr>
<th>Program</th>
<th>Attributes</th>
<th>No. of grantees</th>
</tr>
</thead>
<tbody>
<tr>
<td>IAS funds to support 5 North-American female IAS members to attend the IEEE WIE International Leadership Conference, San Jose, USA, May 2016</td>
<td>Funds total $10,000</td>
<td>5</td>
</tr>
<tr>
<td>IAS CMD WIE Initiative to support female IAS members worldwide to attend WIE or YP or Student Conferences 2016</td>
<td>Funds total $20,000 Individual grants $130…$1,500</td>
<td>30 grantees were selected from 60 applicants</td>
</tr>
<tr>
<td>2017 WIE Initiative Travel Program -IAS members -Female members</td>
<td>Funds total $30,000 $20,000 used already</td>
<td>35 selected from ~70 applicants</td>
</tr>
</tbody>
</table>
~400 travel awards will be provided 2017 to support members to attend technical and leadership conferences
Member Awards
Society and IEEE awards

- Distinguished Service Award
- Outstanding Achievement Award
- Gerald Kliman Innovation Award

- IEEE Awards
- Senior Member Program
- Fellow Program
CMD Individual Awards

- Project Organizer
- SB Chapter Advisor
- Chapter Chair
- SB Chapter Chair
- Chapter Area Chair
- SB Chapter Area Chair
- CMD Officer

Outstanding
Society awards for young members

**IAS Andrew W. Smith Outstanding Young Member Award**
- For recognizing technical and publication activities
- $3,000

**IAS Outstanding Young Member Service Award**
- For recognizing chapter and membership service activities
- $3,000
IAS Outstanding Young Member Service Award Recipients 2016 and 2017

Christina-Panagiota Malliou, CMD

Megha Tak, CMD
Chapter Awards and Contests
Chapter Awards

Outstanding Chapter Award
- In 9 categories
- AMTGP travel award & certificate

Chapter Web Contest
- 1st, 2nd, 3rd prize
- AMTGP travel award & certificate

Most Happening IAS Chapter Contest
- 1st, 2nd, 3rd prize
- AMTGP travel award & certificate
Individual and team contests
Overview

Student Thesis Contest
- PhD
- Non-PhD

Myron Zucker Undergraduate Student Design Contest
- Individual
- Team

Student Robotics Demonstration Contest
- Individual or team

Humanitarian Project Contest
- Individual or team
Student Thesis Contest

- Prizes
  - 2x3 AMTGP travel awards
  - $600, $500, $400 cash
  - Certificate, presented at the Welcome Luncheon
  - Thesis presentation at the Student Technical Session
### Student Thesis Contest, applications and prize recipients by country

#### PhD Category (9)
- Australia 1
- China 1 3rd
- Japan 1 2nd
- Korea 1
- Singapore 3 1st
- UK 2 3rd

#### Non-PhD Category (13)
- Canada 1 1st
- Colombia 3
- Greece 1
- Hungary 1
- India 1
- Italy 4 2nd
- Peru 1
- USA 1 3rd

**Presentations:**
Technical Sessions #5 and #6
Monday, Oct 2
Prizes
- 2x3 AMTGP travel awards
- $800, $600, $400 cash for individuals/teams
- $500, $400, $300 cash for academic department
- Certificate, presented at the Zucker Luncheon
- Project presentation at Sunday WS and Poster Session
### Myron Zucker Undergraduate Student Design Contest, appl / win

<table>
<thead>
<tr>
<th>Individual Contest (3)</th>
<th>Team Contest (8)</th>
</tr>
</thead>
<tbody>
<tr>
<td>China 1 3rd</td>
<td>Canada 1 1st</td>
</tr>
<tr>
<td>India 1 2nd</td>
<td>Colombia 1 2nd</td>
</tr>
<tr>
<td>Sri Lanka 1 1st</td>
<td>India 5 3rd</td>
</tr>
<tr>
<td></td>
<td>Peru 1</td>
</tr>
</tbody>
</table>

Presentations:
- Sunday Workshop, Oct 1, 12:50
- Poster Session, Monday, Oct 2
Student Robotics Demonstration Contest

Prizes

– 3 AMTGP travel awards
– Certificate, presented at the CMD Dinner
– Best Robot Contest
– Robot presentation at the Student Poster Session
– Up to $100 support for parts and material
Student Robotics Demonstration Contest, applicants and winners

- Applicants (10)
  - India 6
  - Pakistan 1
  - Sri Lanka 2
  - Tunisia 1

- Prize Recipients
  - 1st
    DA-IICT Team, India
  - 2nd
    M.H.V.Y Jayasundara
    Univ. of Moratuwa, Sri Lanka
  - 3rd
    GCET Team, India

Presentations:
Poster Session
Monday, Oct 2
Prizes
- 8 AMTGP travel awards
- Certificates, plaques
- Project presentation at the Student Poster Session & Sunday WS
- Up to $5,000 funds for covering the project expenses
Humanitarian Project Contest

2017 Attributes
- 25 applications from
  - Pakistan 7
  - Tunisia 7
  - India 4
  - Malaysia 3
  - Bangladesh 2
  - Colombia 1
  - Peru 1

Presentations:
Sunday Workshop, Oct 1, 12:25
Poster Session, Monday, Oct 2
Safe electrical installations in extreme poverty areas
Example 2016
Humanitarian project of the UNAC Chapter, Peru

One is working four are watching...

Safety installation

Real woman in engineering...

The team and the customer...
Humanitarian Context examples 2017, categories

- Energy
- Agriculture
- Education
- Health Facilities
- Safety
Humanitarian education project
SB and SB IAS Chapters, Argentina
## CMD contests Submission summary

<table>
<thead>
<tr>
<th>Contest / Award</th>
<th>Applications</th>
</tr>
</thead>
<tbody>
<tr>
<td>Outstanding Member Award</td>
<td>61</td>
</tr>
<tr>
<td>Outstanding Chapter Award</td>
<td>24</td>
</tr>
<tr>
<td>Chapter Web Contest</td>
<td>9</td>
</tr>
<tr>
<td>Most Happening IAS Chapter Contest</td>
<td>&gt;50</td>
</tr>
<tr>
<td>Student Thesis Contest, Category PhD</td>
<td>9</td>
</tr>
<tr>
<td>_collision</td>
<td>Category non-PhD</td>
</tr>
<tr>
<td>Robotics Demo Contest</td>
<td>8</td>
</tr>
<tr>
<td>Humanitarian Project Contest</td>
<td>25</td>
</tr>
<tr>
<td>Zucker Design Contest, Category Individual</td>
<td>3</td>
</tr>
<tr>
<td>_collision</td>
<td>Category Team</td>
</tr>
<tr>
<td>Zucker Student-Faculty Grant Program</td>
<td>17</td>
</tr>
</tbody>
</table>
Driving Power
Driving power at IEEE....

IEEE

Student and young member activity
Globalization and Youth Activity
Driving Power at CMD….
CMD committees and their chairs

- Awards and Contests
- Chapters and Membership Growth
- Support Programs
- PR and Sponsorship
- Young Professional
- Travel Grants
- Zucker Planning and Operation

Lesley Arakkal, R8
Srikanth V.P, R10
Christina-P. Malliou, R8
Aristotelis Farmakis, R8
Megha Tak, R10
Beata Polgari, R8
Mark Halpin, R3
Driving Power at CMD....
Distinguished CMD committee members

- Tamás Ruzsányi, DL Program
- Payman Dehghanian, Safety WS, Webinars
- Ines Abdennaji, Humanitarian Programs
- Blake Lloyd, Zucker Faculty-Student Program
- Mohit Setia, Conf. Publication and Travel Program / Most Happening Chapter Contest
- Galini Kondyli, Info Desk Program
- Taqua Khairy, WIE Programs
- Sumit Chhabria, Robotics Demo Contest
- Ábel Cseh, Club of the 6 issues
Driving Power at CMD....
Chapter Area Chair Network (24 Area Chairs)

Technical Chapters

- R1 – R9
  - One Area Chair per Region

- R10
  - East and Southeast Asia, Australia and Pacific
  - South Asia

SB Chapters

- R1-3, R4-5, R6, R7

- R8
  - Europe
  - Africa
  - Middle East

- R9
  - Mexico
  - Central America
  - South America

- R10
  - East Asia
  - South Asia
  - Southeast Asia, Australia and Pacific
Driving Power at CMD....
Distinguished Area Chairs

- Hazem A Huss, R1
- David Eng, R6
- José Duran, R9
- Xin (Wendy) Wang, SB R4-5
- Habib M. Kammoun, SB R8/Africa
- Sameh Ezzat Betamony, SB R8/Middle East
- Lucia Pia Torres, SB R9/South America
- Gan Zhang, SB R10/East Asia
- Subodha Charles, SB R10/South Asia
Visit IAS in the Web

ias.ieee.org
How to find us in the web?

ias.ieee.org
Thank you

Peter Magyar

- IAS Chapters and Membership Department Chair 2009-2018
- peter.magyar@ieee.org
- http://ias.ieee.org
- http://ias.ieee.org/chapters-membership.html