

# IEEE Rising Stars and More

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# What is Rising Stars?

*Would you like to be inspired as a YP in Las Vegas this January?*

- ▶ Vision is for a special kind of conference oriented to the interests of industry-oriented young professionals and students.
- ▶ The 3 day event aims at student and young professionals technical and professional development and competitions. No papers. No proceedings.
- ▶ 2019 will be the 5<sup>th</sup> annual IEEE Rising Stars Conference, Jan 4-6. Venue is Las Vegas.
  - Has been held just prior to CES (draws thousands of industry exhibitors and 175,000 tech-interested).
- ▶ Conference has grown significantly over the past several years. Increase in number of Young Professionals YoY. **40% attendees at 2018 RS were non-student YP's.**
- ▶ IEEE Region 6 “owns” . Partnership and collaboration with several IEEE OU's and industry who want to increase effectiveness and interaction with young professionals and students.

# 2018 Rising Stars Highlights

- ▶ **2 parallel tracks** – Technical track and Professional Track
- ▶ **2 competitions** – EPICS in IEEE and Capture the Flag (CTF)
- ▶ **4 Keynotes** - Whurley, Google director, Facebook executive and CEO of Made in Space
- ▶ Industry speakers from -



# Speakers – Inspirational and Aspirational

- **Antoine Picard** (Google Software Lead)
- **Arjun R Pillai** (Head of Data Strategy, FullContact Inc.)
- **Carolyn Andrews** (CEO at Inspired Leaders Now)
- **Jefferey Voas** (NIST)
- **Jennifer Smith** (US Army)
- **Jin Bains** (Head of Connectivity, Facebook)
- **John Collins** (Snap Inc.)
- **Kevin O'Malley** (Google Engineering Director)
- **Mark Paulk** (IEEE Computer Society DVP)
- **Stephen Guine** (Northrop Grumman)
- **Tim Lee** (Chair of IEEE SIGHT)
- **Tina Gustafson** (Engility Corporation)
- **William Hurley** (Entrepreneur and OpenSource Advocate)



# Interactive Events

*The program includes interactive events, competitions, technical innovation, talks from industry experts, networking opportunities, and professional development*

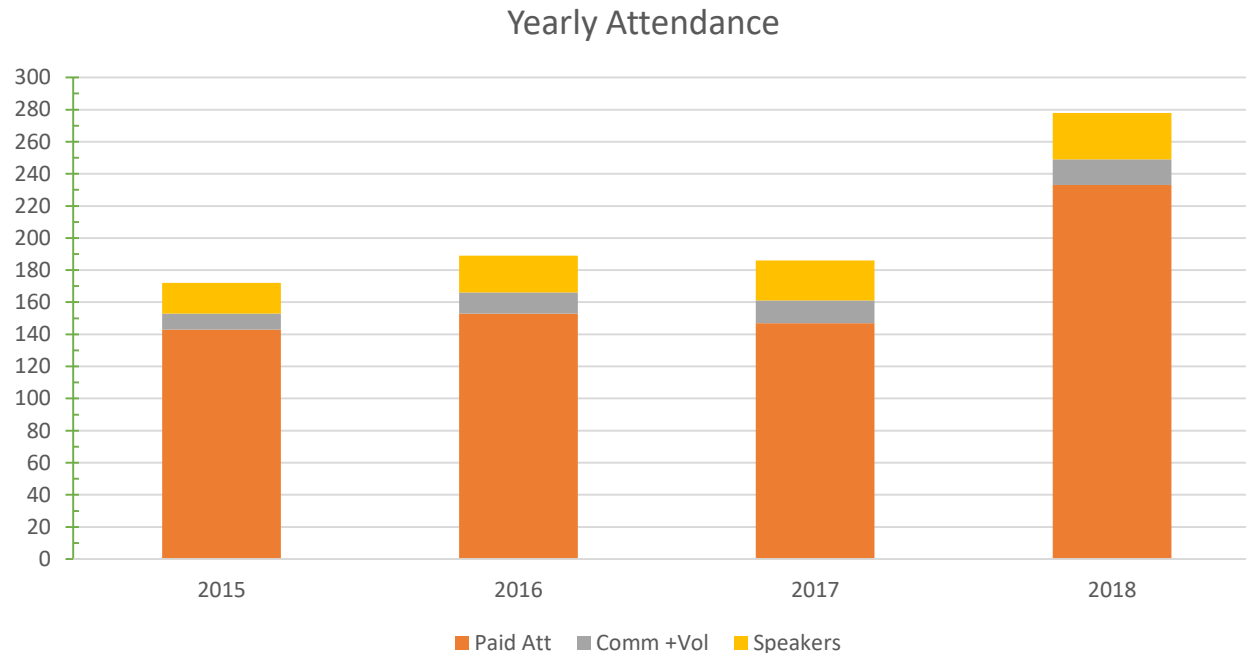


# Conference Topics

- ▶ **Technical** track topics
  - Autonomous Vehicles
  - IoT and smart cities
  - Space discovery
  - AI & Machine learning
  - Cyber security
  - and much more...
- ▶ **Professional** track topics
  - Entrepreneurship
  - Team building
  - Soft skill development
  - Professional networking
  - Financial education
  - Resume building - interactive



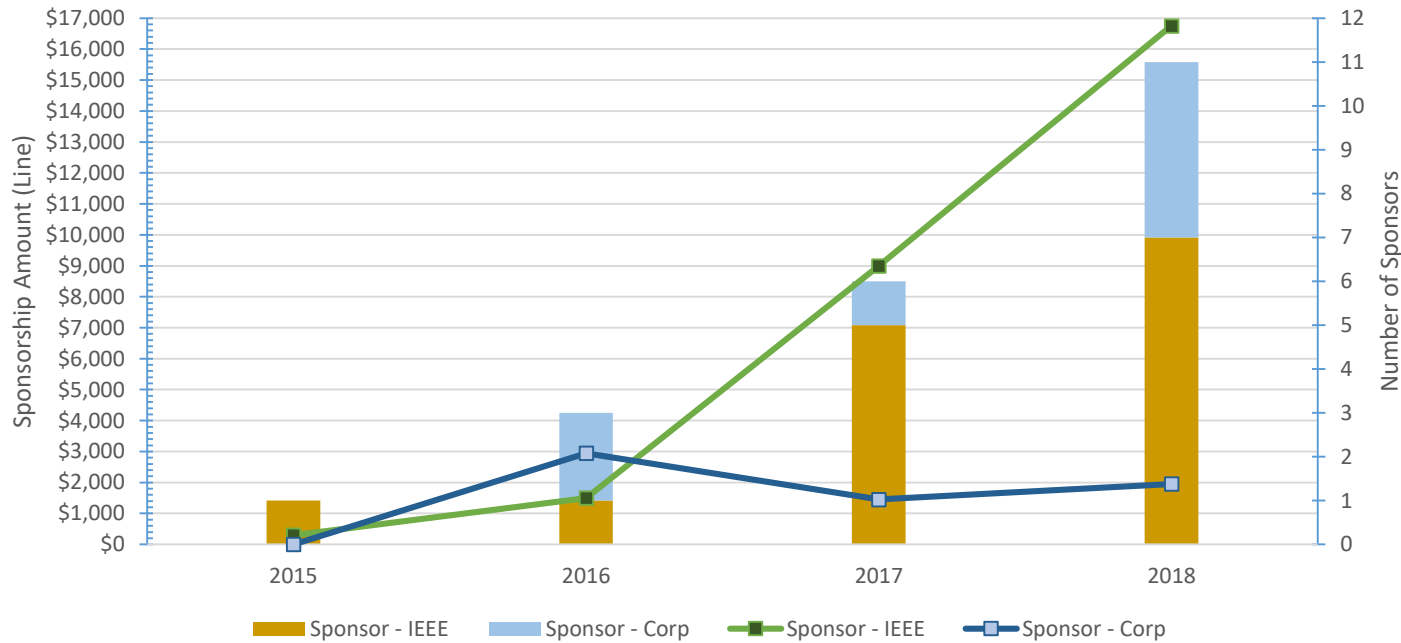
# Attendance is growing...



- ▶ Significant growth seen in 2018, with 278 attendees
- ▶ Approximately 190 attendees in 2016 and 2017 editions.

# Sponsorship from across IEEE OUs Correlates with Growth

Yearly Sponsorship Breakdown



- ▶ Record sponsorship received in 2018, in terms of number of sponsors and amount.
- ▶ Industry speakers drive interest.-- Speakers rather than sponsors. Need to have more industry level sponsors.



# Capture the Flag Competition

*Competitions  
wanted.*



- ▶ Cyber Security competition by Early Warning. Awards worth \$1500 sponsored by IEEE MBPAC.
- ▶ Software and other training materials were provided in our website.
- ▶ Competition took place on Jan 6, before the conference start with over 80 attendees participating.

## EPICS in IEEE Competition

- ▶ Engineering Programs in Community Service - involved IEEE Educational Activities
- ▶ The project must provide a technical solution in IEEE fields of interests to problems in one or more of the EPICS in IEEE categories and must involve a non-profit organization partner,
- ▶ Competition guidelines were provided in the website. One winner was announced at the conference – first EPICS in IEEE project from Region 6!

**EPICS** IN **IEEE**  
Engineering Projects In Community Service



# How do you get there?

- ▶ If you are a student, talk to your school first. ECE Departments typically have internal easy-to-get grant funding available for students and student organizations to participate and learn.
  - Example: NSF funded entrepreneurship from research
- ▶ If you are a Young Professionals, talk to your employer, and show them the program. Most companies have programs to fund or support your professional development.
  - Most difficult “get” speakers happened when inspired YPs leveraged their existing relationship with company.
- ▶ IEEE members (students and YP’s) should approach their section for support. Region 6 will match the section funding (not fund directly) up to \$1000 per section by a professional activities project.
- ▶ For more details about funding, please visit us at <http://sites.ieee.org/risingstars/registration/how-to-receive-funding-for-students-and-young-professoinals/>

# IEEE Region 6 and IEEE Region 10

- ▶ We see the world as full of IEEE Region 6 people – who are cool, creative, using their super-powers for good and un-boring.
  - Many R10-original leaders are shaking up R6 for the better, across activities, including industry engagement, engineer of the year, and certainly IEEE Young Professionals and Student Leaders, including 3 out of 5 Rising Stars Conference chairs.



# How can you help us?

- ▶ What do you, your company, your society, your other organization have to offer that interests young professionals and students?
- ▶ Encourage your section to support students and YP's to attend Rising Stars.
- ▶ Speaker opportunities – can you enhance the program with a next-level speaker?
- ▶ Skilled volunteer opportunities
- ▶ Sponsorship opportunities.
- ▶ Help us spread the word!





# IEEE Rising Stars Conference

January 4-6, 2019 at Las Vegas



# IEEE Region 6 Conferences Global and Local

*What if you aren't a YP and you don't want to visit Vegas?*

- ▶ Region 6 still has you covered -- we have Silicon Valley, the Silicon Forest, BioTech Beach, ...
- ▶ Emphasis on broad-based topics that advance technology for humanity. Industry needs to be a major participant.
- ▶ IEEE Global Humanitarian Technology Conference (IEEEGHTC)
  - First created in Seattle Section and always in partnership with one or more sections
  - 2018 IEEE GHTC is partnering with Santa Clara Valley Section
- ▶ IEEE Conference on Technologies for Sustainability(Sustech)
  - First created with the Oregon Section as lead, then Utah, then Phoenix, now multiple Southern California sections
- ▶ Local Conferences: Smart Tech
  - One-day industry-oriented locally-organized workshop on emerging technology and topics of high interest to local IEEE
  - No papers, No proceedings. \$99-\$199.



# GHTC and Sustech

*Bringing us together*



## IEEE GLOBAL HUMANITARIAN TECHNOLOGY CONFERENCE (GHTC)

Technology for the Benefit of Humanity

**GHTC 2018. October 18-21, San Jose CA**

- [www.ieeeghtc.org](http://www.ieeeghtc.org)

- ▶ Goals: 1) Foster exchange of information, networking, and cooperation in the humanitarian and emergency management fields.,2) Focus attention on businesses who are enabling technologies in support of humanitarian principles and ways of operating. 3) **Impact in positive and meaningful ways lives of disadvantaged billions of people around the world.**

- ▶ IEEE Conference on Technologies for Sustainability(Sustech) – November 11-13, 2018 in Long Beach, California

## SusTech 2018

The 6<sup>th</sup> Annual IEEE Conference on Technologies for Sustainability (SusTech 2018) is designed to explore the development and application of science, engineering and technology in achieving a **sustainable lifestyle for humanity**. It brings together scientists, engineers, technologists and scholars from multiple disciplines to hold a dialogue on environmental issues and collaborate on ideas to develop and utilize innovative tools and intelligent systems to address them. to take their sustainability programs to the next level.



# IEEE SMART TECH

## METRO AREA WORKSHOP SERIES

Professional workshops in a learning environment



- ▶ San Diego
- ▶ Wide Excom involvement (~25)
- ▶ All local, except for IEEE-USA panels
- ▶ Support from MGA's Francesca Mangione
- ▶ \$99/ 1 Day

- Big Data Science & Engineering
- Intellectual Property & Patents
- Latest Trends in Employment and Career Planning
- Autonomous and Connected Vehicles
- The Commercialization of 5G
- Smart Cities Panel
- Latest Trends in UAV
- IOT Technologies and Applications
- Blue Tech

Kicking off the day will be a **keynote address from John Black - SVP Engineering and General Manager Floor Care Business at Brain Corp, entitled "Integration of Robotic A.I. into Complex Human Environments."**

# Thank you!

For questions on IEEE Rising Stars, please contact  
our 2019 Conference Chair: Ramesh Nair –  
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