

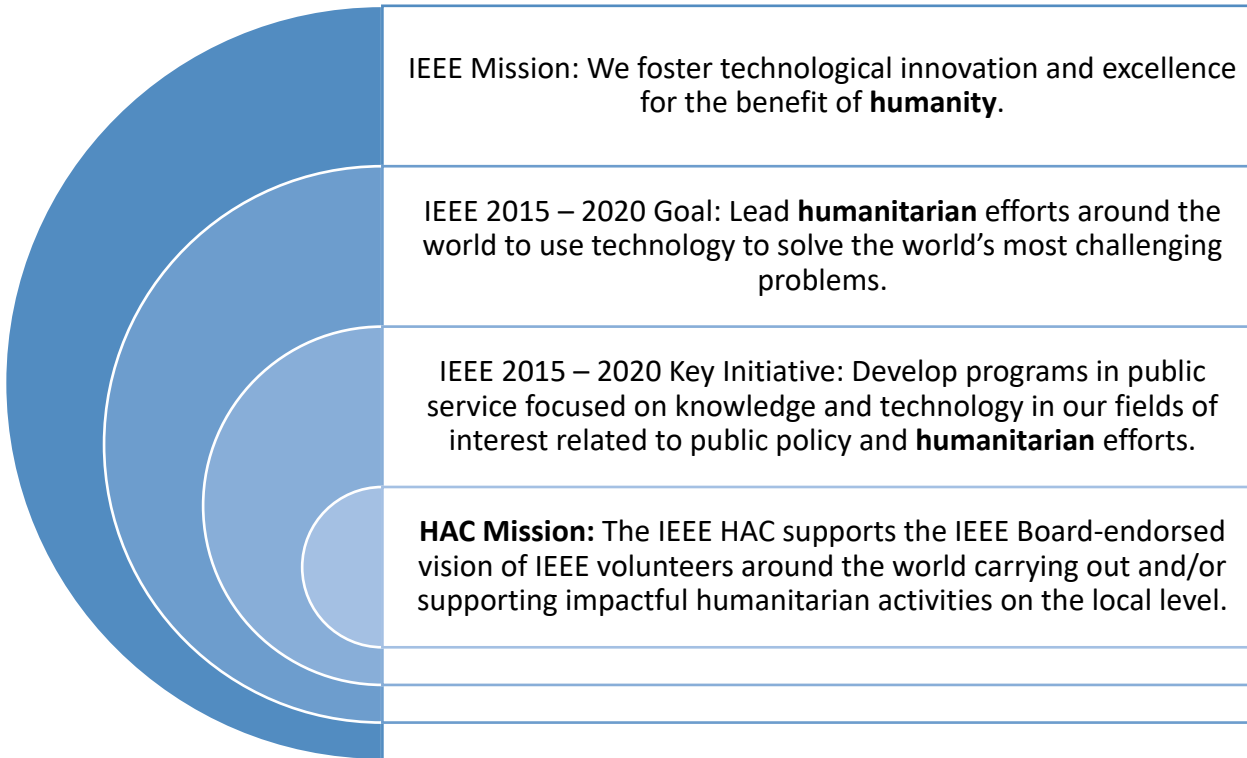
# IEEE Humanitarian Activities Committee (HAC)

*2019 IEEE Region 2 Annual Meeting*



# How HAC fits into the IEEE Strategic Plan 2015 - 2020

*HAC is a committee of IEEE since 2016 and reports to the IEEE Board of Directors (BoD)*



Humanitarian Activities  
Committee

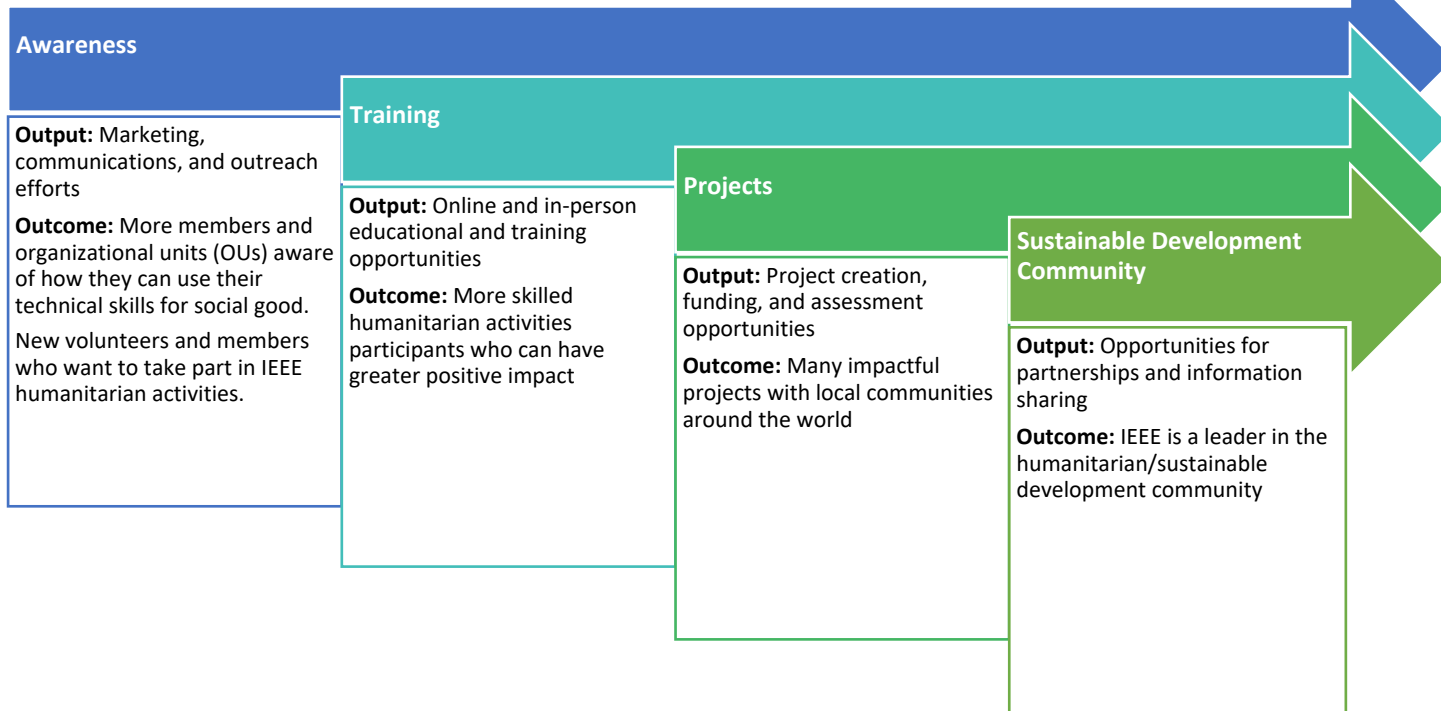


# HAC Strategic Goals



*HAC provides a scaffolding for humanitarian activities at IEEE*

Humanitarian Activities  
Committee



# HAC Operational Committees

*Each operational committee is chaired by a member of HAC*



Humanitarian Activities  
Committee



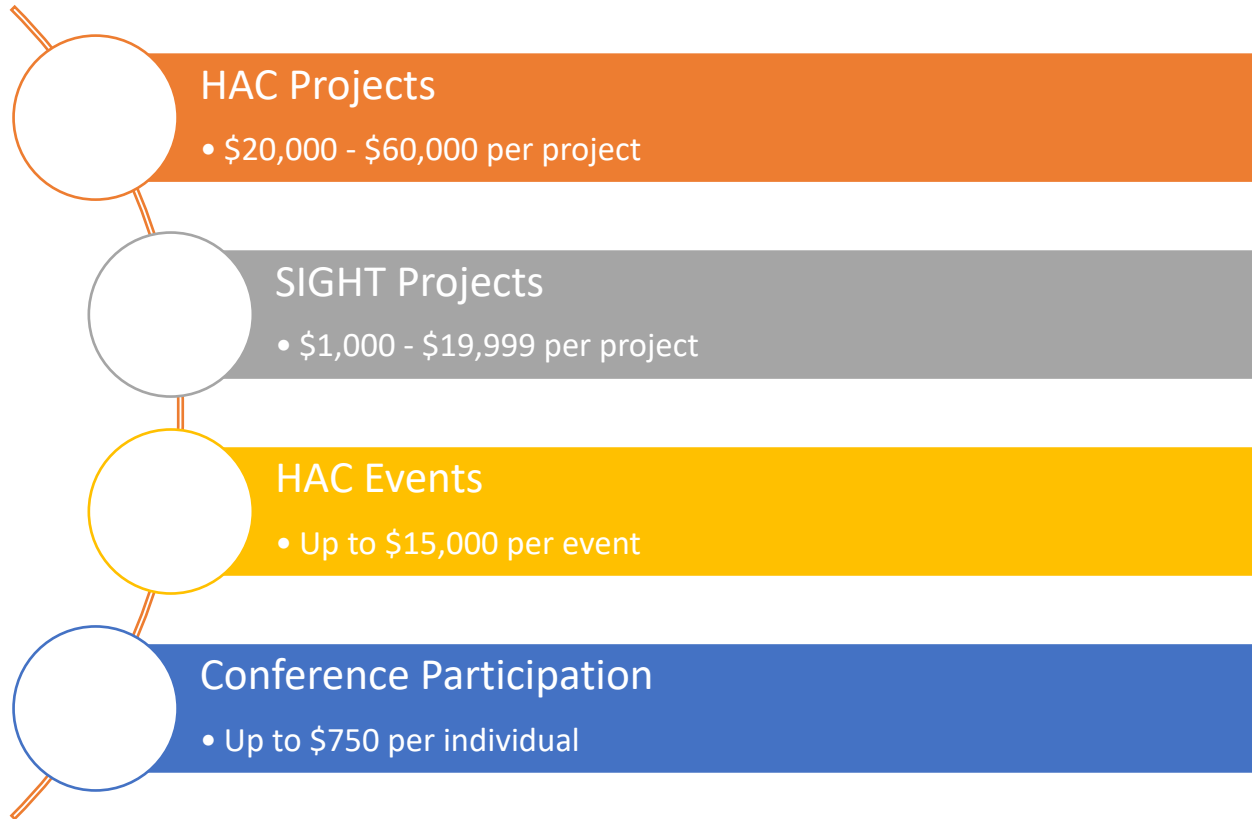
In 2019, HAC also has an Ad Hoc Committee on Platform for Engagement and Metrics.



# IEEE HAC Funding Opportunities at a Glance



Humanitarian Activities  
Committee



# HAC Funding Support in 2018



Humanitarian Activities  
Committee

## HAC Projects

- 50 submissions
- 11 projects supported
- Average award: \$33,000

## SIGHT Projects

- 53 submissions
- 10 projects supported
- Average award: \$10,100

## HAC Events

- 77 submissions
- 40 events supported
- Average award: \$4,900

## Conf. Participation

- 112 submissions
- 31 individuals supported
- Average award: \$529



# HAC 2019 Committee



## Humanitarian Activities Committee



Kartik Kulkarni, *Chair*



Paul Cunningham,  
*Immediate Past Chair*



Simay Akar, *Chair,*  
*Assessment Committee*



Supavadee Aramvith, *Chair,*  
*Communications Committee*



Satish Babu, *Chair,*  
*Partnerships Committee*



Jim Conrad, *Chair,*  
*Events Committee*



Shaikh Fattah, *Chair,*  
*Education Committee*



Elizabeth Johnston,  
*Chair, Ad Hoc on Platform*  
*for Engagement & Metrics*



Nirupama Prakash  
Kumar, *Chair,*  
*Projects Committee*



Sampathkumar  
Veeraraghavan, *Chair, IEEE*  
*SIGHT*



# HAC Professional Staff Team in Piscataway, NJ, USA



Humanitarian Activities  
Committee



Holly  
Schneider  
Brown

- HAC Staff Lead



Julianna  
Pichardo

- IEEE SIGHT Staff Lead



Betsy Toland

- Administrative and Operational Support





# 2019 IEEE HAC Funding Opportunities Deadlines (remaining)

- ▶ HAC Project Deadlines – 15 July, 09 September (only if funds remain)
- ▶ HAC Event Deadlines – 20 May, 19 August
- ▶ SIGHT Project Deadlines – 15 August
- ▶ HAC Conference Participation Program – 29 May, 26 June, 31 July, 28 August, 25 September, 30 October
- ▶ Visit [hac.ieee.org](http://hac.ieee.org) to review Calls for Proposals and links to application forms

The poster features the IEEE logo at the top left. Below it is the title 'Humanitarian Activities Committee'. A paragraph describes HAC's support for IEEE volunteers in sustainable development and humanitarian technology. The poster includes several images: a group of people in a meeting, solar panels in a field, and people working with equipment. Three call boxes are present: 'IEEE HAC 2019 Events Calls' with deadlines of 25 Mar, 20 May, and 19 Aug; 'IEEE SIGHT 2019 Projects Calls' with deadlines of 22 Apr and 15 Aug; and 'IEEE HAC 2019 Projects Calls' with deadlines of 01 Apr, 15 July, and 09 Sept (only if funds remain). At the bottom, there is a section for the 'IEEE HAC 2019 Conference Participation Program' with multiple deadlines from Mar to Oct. The footer contains contact information for HAC and IEEE, along with the IEEE logo and tagline 'Advancing Technology For Humanity'.

**IEEE**  
Humanitarian Activities Committee

HAC supports IEEE volunteers involved in sustainable development and humanitarian technology related activities around the world, through funding for projects and events, supporting IEEE SIGHT activities, building strategic partnerships and facilitating necessary education and training.

**IEEE HAC 2019 Projects Calls**  
Application Deadlines:  
01 Apr, 15 July  
09 Sept (only if funds remain)

**IEEE HAC 2019 Events Calls**  
Application Deadlines:  
25 Mar, 20 May, 19 Aug

**IEEE SIGHT 2019 Projects Calls**  
Application Deadlines:  
22 Apr, 15 Aug

**IEEE HAC 2019 Conference Participation Program**  
Application Deadlines: 27 Mar, 24 Apr, 29 May, 26 June, 31 July, 28 Aug, 25 Sept, 30 Oct

For more about IEEE HAC:  
[hac.ieee.org](http://hac.ieee.org)  
For more about IEEE opportunities:  
[www.ieee.org/doing-good](http://www.ieee.org/doing-good)

**IEEE**  
Advancing Technology  
For Humanity

# IEEE SIGHT

Special Interest Group on  
Humanitarian Technology

Building a locally-focused  
community of engineers  
for global development

© 2018 IEEE SIGHT

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A hand holding a globe with a network overlay. The globe is the central focus, showing continents and oceans. A network of white lines and dots is overlaid on the globe, representing a global network. The background is a light blue gradient.

# Special Interest Group on Humanitarian Technology

SIGHT is network of IEEE volunteers around the globe that partner with underserved communities and local organizations to leverage technology for sustainable development.

# Vision & Mission

## Vision

Underserved communities around the world are able to benefit from technology as they seek sustainable solutions to development challenges.

## Mission

The Special Interest Group on Humanitarian Technology (SIGHT) program is a network of IEEE volunteers around the globe that partner with underserved communities and local organizations to leverage technology for sustainable development.



# 2019 IEEE SIGHT Committee

**2019 IEEE SIGHT Steering Committee**



Sampathkumar Veeraraghavan,  
*Chair, IEEE SIGHT*



Daniel Lottis,  
*Past Chair, IEEE SIGHT*



Celia Shahnaz, *Chair, Communications Committee*



Pritpal Singh,  
*Chair, Education Committee*



Darwin Jose Raju,  
*Chair, Operations Committee*



Karen Panetta,  
*Chair, Projects Committee*

**IEEE SIGHT**  
Special Interest Group on  
Humanitarian Technology



*\*Not pictured, Dr. Ajay Poddar, Chair, Strategic Partnerships Ad-Hoc Committee*

# IEEE SIGHT

Special Interest Group on  
Humanitarian Technology

## SIGHT Members, Groups, and Projects

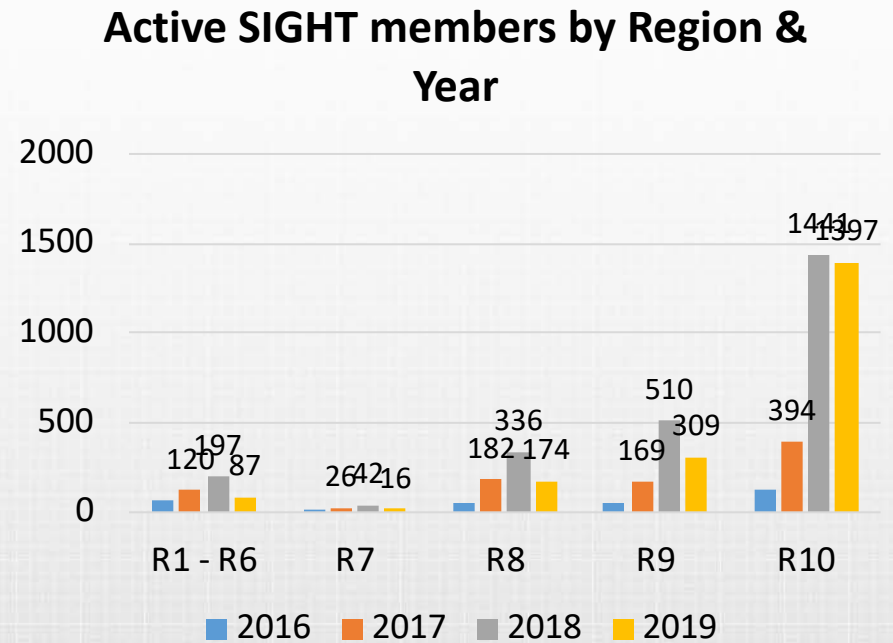
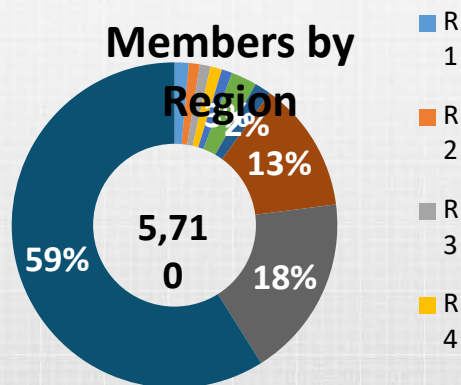
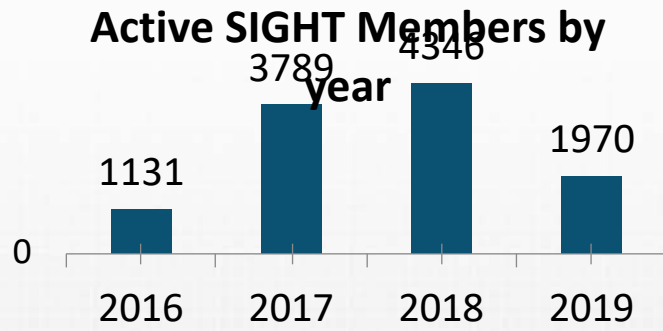
© 2018 IEEE SIGHT

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# IEEE SIGHT Members & Global Community

- Live in 10 Regions & 94 countries
- 4,346 new members in 2018
- 1,970 new members so far in 2019 (as of 3/31/19)
- 60% are IEEE Student Members
- Active on Social Media: 19,500 members in the SIGHT Facebook group - [facebook.com/groups/ieeesight/](https://facebook.com/groups/ieeesight/)

# Update – SIGHT Members





# What is a SIGHT Group?

A group of at least 6 IEEE members (*additional IEEE and non-IEEE volunteers are welcome*) who come together to

- (1) learn about sustainable development,
- (2) build relationships with local underserved communities and,
- (3) implement projects that leverage technology to tackle key problem within the community.

Photo: Artisanal Fishers SIGHT, India

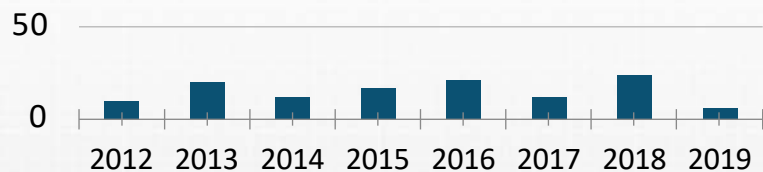
# SI GHT Groups Around the World



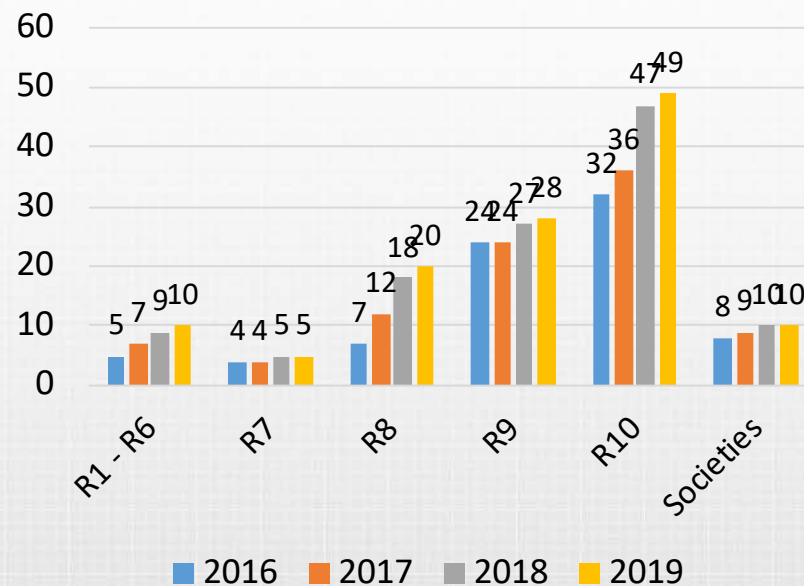
- A total of 122 groups have been organized in 47 different countries & 65 Sections
- 24 new groups formed in 2018 – a record since the beginning of the program
- 21 Petitions to form new groups received so far in 2019

# IEEE SIGHT Groups 2016 - 2019

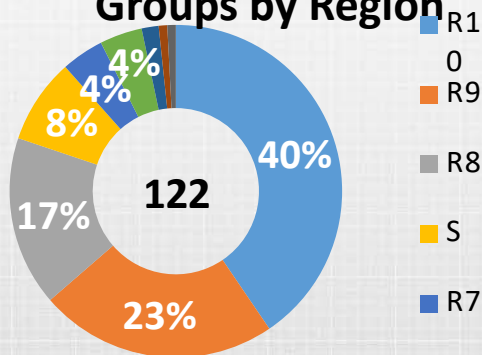
### Approved SIGHT groups by year



### Total Groups by Region and Year



### Groups by Region



# IEEE SIGHT Groups



*SIGHT University of Dhaka, Bangladesh, R10*



*SIGHT UFJF, Brazil, R9*



*SIGHT PUCV, Chile, R9*



*Egypt Section SIGHT, Egypt, R8*

# Why a project?

“Feet on the ground” engagements allow SIGHT groups to apply their unique skill sets to tackle complex local challenges and create positive social impact.

BRIDGES SIGHT, Nicaragua

# Update - IEEE SIGHT Projects

- IEEE SIGHT offered four proposal calls in 2018, received 50 proposals from 24 different countries and selected 10 projects to be funded.
- 2018 funded projects include initiatives to install lighting for a playground in Chile, implement an intelligent animal attack prevention system for crop protection in India, provide three rural communities in Guatemala with potable water via a solar-powered submersible pump and filter in the local well - and others!
- In the first call for proposals of 2019, 19 proposals were received and 3 were funded
- 2019 funded projects: Installation of Solar (PV) Technology at Mukujju Health center (Uganda), Rehabilitation for sustainable future of Delta farmers (India), and Light Up the World 2019, Peru (Canada)



# IEEE HAC & SIGHT in R2

- **HAC Events** provided funding for 2018 **IEEE International Symposium on Technology and Society (ISTAS)**
- 3-year partnership between **HAC Projects** and **HopeOneSource** to develop an app to provide career, housing, and social services to Washington DC's homeless population
- **2 SIGHT Groups**
  - Drexel University Graduate Student Branch SIGHT – Chair, Marco Janko
  - Rowan University SIGHT – Chair, Robert Krchnavek
- **1 HAC Conference Participation Program recipient** attended the **Global Humanitarian Technology Conference (GHTC)** in 2018, and another attended the **2018 Central America and Panama Convention (CONCAPAN)**

# R2 IEEE SIGHT & HAC Volunteer Leaders

- Dr. Pritpal Singh, Chair, SIGHT Education Subcommittee
- Dr. Khanjan Mehta, Advisor, SIGHT Projects Committee & Member, SIGHT Education Subcommittee
- Sharada Srinivasan, Member, HAC Assessment Committee
- Aishwarya Panchpor, Member, HAC Events Committee



# IEEE Humanitarian & Philanthropic Opportunities



IEEE  
Foundation

**Illuminate:**  
the  
possibilities  
of using  
technology  
to tackle  
global  
challenges  
**Educate:** the  
next  
generation  
of  
innovators  
and  
engineers

[IEEE Smart Village](#) Access to electricity creates opportunity and improves lives in remote communities around the world.

[EPICS in IEEE](#) empowers students to work with local service organizations to apply technical knowledge to implement

[MDVE](#) offers a mobility engineering challenge program committed to assisting victims of natural disasters with short-term

[Economic, Bill, Computer, and Services](#) to help the global community create and demonstrate sustainable solutions for energy access that are technically and economically viable, and

that can rapidly scale to impact more than 1 billion people across the globe who live in extreme energy poverty.

[IEEE Power and Energy Society Scholarship Plus Initiative](#) recognizes highly qualified electrical engineering undergraduate students with multi-year scholarships and assists in connecting them with engineering and career experiences.

[REACH \(Raising Engineering Awareness through the Conduit of History\)](#) explores technology and engineering history and the relationships they have with society, politics, economics, and

[Culture and Young Professionals](#)

IEEE offers a variety of scholarships for IEEE Student members.

# Other Social Programs



## IEEE Foundati on

**Commitment:** a larger audience that appreciates the value and importance of engineering and technology innovation that celebrates technological excellence

[IEEE History Center](#) make known to the public the important legacy of engineering, thereby contributing to better understanding and appreciation of engineering and to increased technological literacy..

[IEEE Medals, Technical Field Awards, & Recognitions](#)

[IEEE Society Awards](#)

[IEEE-Eta Kappa Nu](#)

# Stay Connected!

Find out more about IEEE SIGHT, become a SIGHT member, or form a SIGHT group!

- [sight.ieee.org](http://sight.ieee.org)
- [ieee-sight-toolkit.org](http://ieee-sight-toolkit.org)
- [facebook.com/groups/ieeesight/](https://facebook.com/groups/ieeesight/) o [ieeesight](#) en Instagram
- Questions? Contact: [sight@ieee.org](mailto:sight@ieee.org)