



Humanitarian Activities
Committee

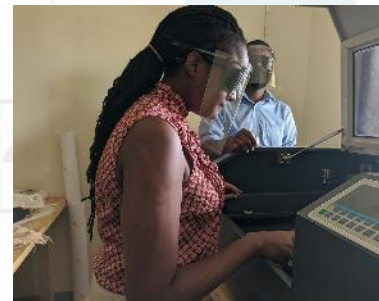
Humanitarian Technology & Sustainable Development at IEEE with HAC/SIGHT

Sampathkumar Veeraraghavan, 2021 Chair

IEEE Humanitarian Activities Committee (HAC)

Agenda

- The Role of HAC in the IEEE Framework
- Benefits for IEEE Members
- Overview of IEEE SIGHT
- Engaging Students and Young Professionals
- Example of a Funded HAC/SIGHT Project in Region 1
- Opportunities to Get Involved
- Q&A



How HAC fits into the IEEE Strategic Plan 2020 - 2025

HAC is critical for helping to achieve the goals of IEEE



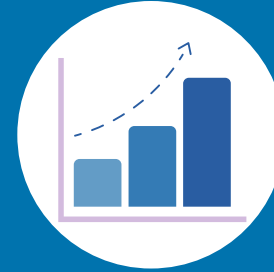
HAC collaborates across and beyond IEEE to increase sustainable development innovation



HAC increases understanding of the role of engineering and technology in sustainable development



HAC provides educational resources through IEEE Learning Network, webinars, virtual forums, and in-person workshops



HAC fosters opportunities for hands-on, career-relevant experience through SIGHT and HAC projects



Through its global network HAC creates impact in underserved communities around the world



Benefits for individual IEEE Members

Engaging in humanitarian technology activities with HAC/SIGHT can enable:

Training and
Awareness

Professional
Development

Greater
Purpose

Project
Funding

Connection
and
Community

Sustainable
Development
Community

IEEE Special interest Group on Humanitarian Technology

IEEE SIGHT is a popular feet-on-the group initiative within HAC; it is a network of IEEE volunteers around the globe that partner with underserved communities and local organizations to leverage technology for sustainable development.



SIGHT Members – 14,400+ in
117 countries*



SIGHT Groups - 174 in 52
countries.
76 Groups are in Region 10!



HAC/SIGHT Projects – 101 project
proposals awarded \$438k in
funding (*2020 COVID Cfp*)

**Before IEEE member deactivation in February*

Engaging Students and Young Professionals

- Approximately 70% of all SIGHT members are Student Members or Graduate Student Members
- Many Student Members and Young Professionals are actively involved with SIGHT Groups and on HAC/SIGHT Project teams.
- One student team shared their thoughts after participating in a project:

“ This was a really satisfying experience for all those involved... We **gained knowledge, improved technical skills, expanded our network** and **made bonds with the community**. We encourage engineers, IEEE members, volunteers and anyone willing to help implement humanitarian technology projects - we guarantee you will have **a great experience.**”

HAC in 2021

Inspiring and enabling impactful humanitarian technology and sustainable development activities of IEEE members in unprecedented times

HAC 2021 Strategic Goals

Building on work begun by past HAC & SIGHT Committees



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- Increase Engagement with IEEE Societies
- Strengthen Involvement with IEEE Regions
 - Pilot Regional project co-funding program
 - Engage Student Members
 - Cross-promotion of relevant information
 - Provide conference and event speakers upon request
- Activate Partnerships with MGA, EAB, TAB, and Standards
 - Pilot Section revitalization project co-funding program
- Grow Recognition of a Coordinated HAC/SIGHT Brand
 - IEEE HAC/SIGHT Sustainable Development Newsletter launched in January
- Lead Global Collaboration Efforts with International Agencies and Industry
- Implement Operational and Process Excellence to Align with Best Practices

Special Initiative - IEEE HAC/SIGHT COVID Projects Program



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Call for Proposals Focused on
COVID-19 Response

IEEE HAC/SIGHT Projects

Submission Deadline
01 March 2021

IEEE
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Committee

IEEE SIGHT
Special Interest Group on
Humanitarian Technology

Find all the details at:
hac.ieee.org/funding-opportunities/covid-19-projects

- Special Call for Proposals in response to COVID-19 offered in 2020 received 229 proposals
- HAC/SIGHT awarded funding to 101 projects; **42 of which were from Region 10**
- Ongoing support provided to project teams through Communities of Practice (CoPs) around common thematic areas
- Given success, and ongoing need to address challenges related to the pandemic, HAC/SIGHT are offering additional Calls for Proposals in 2021. First Call concluded on 01 March. Others will be announced soon.

Example of HAC/SIGHT Funded Project in Region 10



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- ▶ Project: “Dental Aerosol Containment Equipment for the Prevention of COVID-19 in Malaysia”
- ▶ Project Team & Lead: EMBS Malaysia Chapter, Fatanah Mohamad Suhaimi
- ▶ This project team designed, assembled, and distributed 150 aerosol containment equipment to government hospitals, clinical centers and dental clinics around the Northern Region of Peninsular Malaysia. The containment equipment is used by a dentist when treating the patient to prevent the aerosols from the patient’s mouth reaching the dentist and dental personnel. The structure of the equipment is PVC material, with a transparent plastic film attached to allow the dentist to see the patient's mouth. The PVC structure can be reused and sanitized, and the plastic film changed for every new patient.



Get Involved with HAC/SIGHT!

- **Publicize** HAC/SIGHT opportunities to your stakeholders
- **Apply** for HAC/SIGHT funding – additional Calls for Proposals will be announced soon
- **Add** [SIGHT membership](#) to your IEEE membership
- **Form** [a SIGHT Group](#) to assess needs in your local community, apply for financial resources, and implement a sustainable technological solution
- **Identify** potential opportunities for partnership, additional funding, replication, and scaling
- **Recommend** subject matter experts to be advisors on Communities of Practice
- **Take part** in the free, online courses on the [IEEE Learning Network \(ILN\)](#) that equip participants with a basic understanding of humanitarian technology and sustainable development topics
- **Let us know** if you have any questions, suggestions, or ideas



Talk to us!
Reach out at hac-office@ieee.org

Questions?



gracias
OBRIGADO
DANKU
MERCI
danke schön
PALDIES
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KÖSZI
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ありがとう
TEŞEKKÜR EDERİM
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TAK
TAK
gracias
vielen dank
qujan
TAK
asante
muchas gracias
vielen dank
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obrigado
спасибо
多謝
NA GODE

THANK YOU