



IEEE GHTC 2024

<https://ieeeghtc.org/>

14th IEEE Global Humanitarian Technology Conference

October 23-26, 2024 | Villanova University, Pennsylvania USA

SUSTAINABLE DEVELOPMENT GOALS



CALL FOR PAPERS – Extended 31-May

Important Dates

May 31, 2024

Submissions for Full Papers
and Oral-Only Project Talks

June 23, 2024

Review Notification

July 29, 2024

Full Papers

September 30, 2024

Early Bird Registration Deadline

October 23 - 26, 2024

Conference Dates

Committee (Tentative)

Conference Chair

Dr. Pritpal Singh
Villanova University

Conference Co-Chair

Prof. Khanjan Mehta
Lehigh University

Technical Program Co-Chair

Dr. John Gershenson
Penn State University

Technical Program Co-Chair

Dr. Toby Cumberbatch
The Cooper Union

Publications Chair

Ed Perkins
IEEE R6

Sponsorships Chair

Hasshi Sudler
Internet Think Tank

Conference Treasurer

Baw Chng
BAWMAN LLC

Local Arrangement Chair

Scarleth Vasconcelos
Villanova University

Publicity Chair/Registration

Scott Tamashiro
IEEE R6

The 2024 IEEE Global Humanitarian Technology Conference (IEEE GHTC 2024) is a flagship international conference sharing **practical, technology-enabled solutions** that address the needs of underserved communities in resource-constrained environments around the world. Submissions should discuss work done to alleviate poverty, provide education and connectivity, and create equitable access to water, energy, and secure food sources with minimal impact on the planet and environment.

Stakeholders from public and private organizations, education and research institutes, societal and government organizations, and the funding and donor sectors are invited to submit **Full Papers (project results) and Project Talks (fieldwork in progress)** that share insight, experience, best practice, and lessons learned from a research, policy, practitioner, and/or community perspective. Papers should present an analysis of research results or a case study. *General project descriptions or project proposals are not appropriate.* Submissions will be *assessed for quality, work done, relevance, consideration of ethical issues, methodological vigor, and potential for actual impact.*

Submissions by community representatives, practitioners (governmental, for-profit, and nonprofit), academics, private sector organizations, and policymakers describing intervention design and implementation, field experiences and best practices, case studies, project monitoring and evaluation results, and original research are sought. **Of particular interest** are works that highlight community engagement and collaboration as well as long-term engagement. Paper submissions should include results that have not previously been published and have not been submitted to another conference or journal.

The conference is structured to provide ample opportunity and environments for extensive interaction between attendees. A congruence between the presentation of mature research and reportage of ongoing projects provides an environment in which seasoned practitioners and students new to the field can ask questions and share lessons learned.

Please note that all submissions will undergo a plagiarism check before being assigned for blind peer review by experienced subject matter experts.

Accepted papers presented by an original author or co-author during the conference will be published in the IEEE GHTC 2024 Conference Proceedings and submitted for publication in IEEE Xplore®.

IEEE GHTC 2024 Thematic areas are centered around the UN Sustainable Development Goals and include (but are not limited to):

- Good Health and Well Being
- Affordable and Clean Energy
- Clean Water and Sanitation
- Agriculture and Food Security
- Technology Impacts on Societal Evolution
- Quality Education, Communication/Connectivity in Support of Development
- Disaster Mitigation, Preparedness, Response and Recovery
- Innovation in Industry and Infrastructure
- Technologies to promote Gender Equality and the Empowerment of Women and Girls
- Technologies to enable Peace, Justice, and Equitable Economies

For complete details on topics and submission, see <http://ieeeghtc.org>

In addition to describing technological aspects, ethical and sustainability challenges, submissions are encouraged to consider socio-cultural, socio-economic, environmental, and policy perspectives and explain how holistic, development-related good practices such as skills, capacity building, community ownership, co-design, collaborative open innovation, and theory of change are applied.

Two types of submission are invited for presentation at GHTC:

Full Papers for Publication and Presentation: mature results, tested innovations, or completed projects that *should not exceed eight pages.*

Oral-Only Project Talks: discussion of fieldwork in progress (with insufficient results for a full paper) that addresses intention, unexpected challenges, unintended outcomes, successes, and failures.

IEEE GHTC 2024 is Sponsored by IEEE Region 6, IEEE Philadelphia Section, and IEEE SSIT, with Technical Co-Sponsorship by IEEE-USA, IEEE CTS, IEEE EDS, IEEE EMBS, IEEE MTT-S, IEEE PELS, IEEE PES, the IEEE Smart Village Initiative and IEEE-SA.