



# IEEE Global Humanitarian Technology Conference 2022 PROGRAM AT A GLANCE



| Time    | September 8, 2022   | September 9, 2022   |   |  |  |  | September 10, 2022  |  |   |   |   | September 11, 2022   |  |   |  |   | Time      |         |
|---------|---|---|---|--|--|--|---|--|---|---|---|--|--|---|--|---|-----------|---------|
| 8:00am  | <p style="text-align: center;"><b>Registration Open</b></p> <p style="font-size: small;">Machine Learning for Social Good - SCDI 2302<br/>Building Wireless Sensing Systems - SCDI 1301<br/>Synergies Between GHTC and CNSV - SCDI 1302</p> <p style="text-align: center;"><b>Networking Social</b></p> | Registration Open / Breakfast   |   |  |  |  | Registration Open / Breakfast   |  |   |   |   | Registration Open / Breakfast  |  |   |  |   | 8:00am    |         |
| 8:45am  |   | Conference Welcome -- Behnam Dezfouli (GHTC 2022 Chair) & Elizabeth Belding (GHTC 2022 Program Chair)   |   |  |  |  |   |  |   |   |   |  |  |   |  |   | 8:45am    |         |
| 9:00am  |   | <p><b>Keynote: To Care, and How We Get There</b><br/>Dr. Neha Kumar, Georgia Tech</p> <p><b>Keynote: Technology's True Promise Lies in the Good we can Do</b><br/>Janice Zdankus, Vice President, Tech Strategy and Innovation for Social Impact, Office of the CTO, HPE</p> <p><b>Plenary: Federal (US) humanitarian engineering: what programs are out there?</b><br/>Aline D. McNaull, Senior Legislative Representative, IEEE-USA</p>       |   |  |  |  | <p><b>Academic Programs in Humanitarian Engineering</b><br/>Allan Baez Morales &amp; Silvia Figueria, Santa Clara University and KhanJan Mehta, Lehigh</p> <p><b>Keynote: IT for Sustainability</b><br/>Puneet Sharma, HP Labs</p> <p><b>Plenary: Revolutionizing the Retail Informal Sector in Africa: Use Case of the Smart Kibanda Project</b><br/>Kithinji Muriungi; Chris Murimi, Moi University, Nairobi, Kenya</p> |  |   |   |   | <p><b>Keynote: Does Gender Impact Startup Funding Success? A Data-Driven Perspective</b><br/>Maya Ackerman, Assistant Professor of Computer Science and Engineering, Santa Clara University</p> <p><b>Keynote: How the Internet Improves Humanity</b><br/>Eric Goldman, Professor of Law, Santa Clara University</p> <p><b>Panel: Web3 and Human Rights</b><br/>Moderator: Michael Kleinman, Director, Silicon Valley Initiative, Amnesty /AIUSA</p> |  |   |  |   | 9:00am    |         |
| 9:30am  |   |   |   |  |  |  |   |  |   |   |   |  |  |   |  |   | 9:30am    |         |
| 10:00am |   |   |   |  |  |  |   |  |   |   |   |  |  |   |  |   | 10:00am   |         |
| 10:30am |   |   |   |  |  |  |   |  |   |   |   |  |  |   |  |   | 10:30am   |         |
| 10:40am |   | Break   |   |  |  |  | Break   |  |   |   |   | Break  |  |   |  |   | 10:40am   |         |
|         |   |   | SCDI 3302   | SCDI 2302                                  | SCDI 2301                                  | SCDI 1301  | SCDI 3301   | SCDI 3302                                  | SCDI 2302                                   | SCDI 2301                                       | SCDI 1301   | SCDI 3301  | SCDI 3302                                  | SCDI 2302   | SCDI 2301  | SCDI 1301                                 | SCDI 3301 |         |
| 11:00am |   |   | FTS1<br>Connectivity & Comm in Support of Development | FTS2<br>Good Health and Well Being (SDG3)  | FTS3<br>Agriculture & Food Security (SDG2) | FTS4<br>Disaster Mitigation, Preparedness, Response & Recovery | FTS5<br>Tech that promote gender equality and empowerment of women and girls (SDG5)   | SATS1<br>Quality Education (SDG4)          | SATS2<br>Good Health and Well Being (SDG3)  | SATS3<br>Agriculture & Food Security (SDG2)     | SATS4<br>Disaster Mitigation, Preparedness, Response & Recovery | SATS5<br>Other Related UN SGD  | SUTS1<br>Quality Education (SDG4)          | SUTS2<br>Good Health and Well Being (SDG3)        | SUTS3<br>Tech that promote gender equality and empowerment of women and girls (SDG5) | SUTS4<br>Affordable & Clean Energy (SDG7) | OPEN      | 11:00am |
| 12:00pm |   | Lunch   |   |  |  |  | Lunch   |  |   |   |   | Lunch  |  |   |  |   | 12:00pm   |         |
| 12:30pm |   |   |   |  |  |  |   |  |   |   |   |  |  |   |  |   | 12:30pm   |         |
| 1:00pm  |   | <p><b>Panel Discussion: Quality Education Online and the Way Forward</b><br/>Moderator: Patrick Kane, Infineon Technologies</p> <p><b>Plenary: One Week Wonder - Emergency PPE Delivery via A Global Humanitarian Collaboration of Makers</b><br/>Kelly Yamanishi and Eric Hess, Maker Nexus, a nonprofit Makerspace in Sunnyvale, CA, USA</p> <p><b>Plenary: Introducing the West Coast MOVE Truck</b><br/>Tim Lee, IEEE Region 6 Director</p> |   |  |  |  | <p><b>Plenary: Introduction to EPICS in IEEE</b><br/>Stephanie Gillespie, EPICS in IEEE Committee Chair</p> <p><b>Panel: Advancing DEI in Journalism with Tech: Opportunities and Guardrails</b><br/>Moderator: Subbu Vincent. Markkula Center for Applied Ethics, SCU</p> <p><b>Plenary: Minimizing the Ecological Footprint using Machine Learning</b><br/>Dr. Vishnu S. Pendyala, San Jose State University</p>        |  |   |   |   | <p><b>Panel: HAC Capacity Building</b><br/>Moderator: Pritpal Singh, IEEE Humanitarian Activities Committee</p> <p><b>Plenary: Clean energy solutions replacing portable fossil fuel generators: Technology and lessons from Ukraine and Hurricane Ida</b><br/>Paul Shmotolokha, New Use Energy</p> <p style="text-align: center;">Closing Remarks and GHTC 2023 Preview</p>   |  |   |  |   | 1:00pm    |         |
| 1:30pm  |   |   |   |  |  |  |   |  |   |   |   |  |  |   |  |   | 1:30pm    |         |
| 2:00pm  |   |   |   |  |  |  |   |  |   |   |   |  |  |   |  |   | 2:00pm    |         |
| 2:30pm  |   |   |   |  |  |  |   |  |   |   |   |  |  |   |  |   | 2:30pm    |         |
| 2:50pm  |   | Break   |   |  |  |  | Break   |  |   |   |   | Break  |  |   |  |   | 2:50pm    |         |
| 3:05pm  |   |   |   |  |  |  |   |  |   |   |   |  |  |   |  |   | 3:05pm    |         |
| 3:10pm  |   | SCDI 3302   | SCDI 2302   | SCDI 2301                                  | SCDI 1301                                  | SCDI 3301  | SCDI 3302   | SCDI 2302                                  | SCDI 2301                                   | SCDI 1301                                       | SCDI 3301   | SCDI 3302  | SCDI 2302                                  | SCDI 2301   | SCDI 1301  | SCDI 3301                                 | 3:10pm    |         |
| 3:20pm  |   | FTS6<br>Connectivity & Comm in Support of Development   | FTS7<br>Good Health and Well Being (SDG3)             | FTS8<br>Agriculture & Food Security (SDG2) | FTS9<br>Affordable & Clean Energy (SDG7)   | FTS10<br>Other Related UN SDG                                  | SATS6<br>Quality Education (SDG4)   | SATS7<br>Good Health and Well Being (SDG3) | SATS8<br>Agriculture & Food Security (SDG2) | SATS9<br>Decent Work and Economic Growth (SDG8) | OPEN  | SUTS5<br>Clean Water & Sanitation (SDG6)   | SUTS6<br>Good Health and Well Being (SDG3) | SUTS7<br>Technology Impacts on Societal Evolution | SUTS8<br>Affordable & Clean Energy (SDG7)  | OPEN                                      | 3:20pm    |         |
| 3:30pm  |   |   |   |  |  |  |   |  |   |   |   |  |  |   |  |   | 3:30pm    |         |
| 4:00pm  |   |   |   |  |  |  |   |  |   |   |   |  |  |   |  |   | 4:00pm    |         |
| 5:00pm  |   |   |   |  |  |  |   |  |   |   |   |  |  |   |  |   | 5:00pm    |         |
| 5:30pm  |   |   |   |  |  |  |   |  |   |   |   |  |  |   |  |   | 5:30pm    |         |
| 6:00pm  | CNSV - Pizza  | CNSV - Pizza  |   |  |  |  |   |  |   |   |   | <p style="text-align: center;"><b>12th IEEE Global Humanitarian Technology Conference (GHTC)</b></p> <p style="text-align: center;">Technology for the Benefit of Humanity</p> <p style="text-align: center;"><a href="https://ieeeghtc.org/">https://ieeeghtc.org/</a></p> <p style="text-align: center;">September 8 - 11, 2022   Santa Clara University, California, USA</p>  |  |   |  |   | 6:00pm    |         |
| 7:00pm  | Special Session: Diversity in the Workplace: Retaining Early Career Women and Minority Engineers by IEEE-CNSV   | Special Session: Communications, computing, and power during disaster response by IEEE-CNSV   |   |  |  |  | Conference Banquet  |  |   |   |   | <p style="text-align: center;">Technology for the Benefit of Humanity</p> <p style="text-align: center;"><a href="https://ieeeghtc.org/">https://ieeeghtc.org/</a></p> <p style="text-align: center;">September 8 - 11, 2022   Santa Clara University, California, USA</p>   |  |   |  |   | 7:00pm    |         |
| 9:00pm  |   |   |   |  |  |  | Locatelli Building  |  |   |   |   |  |  |   |  |   | 9:00pm    |         |

**Key:**

- Workshop
- Panel
- Keynote
- Social Event

