

## [IEEE Consumer Electronics Magazine \(CEM\)](#)

### Special Issue on: **Implementable Humanitarian Technology (IHT)**

IEEE Consumer Electronic Magazine is preparing a special issue for articles specifically related to Humanitarian Technology that falls within the scope of the Magazine. This special issue will highlight papers on implementable technologies that will benefit the humanity as defined the Sustainable Development Goals of the United Nations. Natural and manmade disasters are on the rise worldwide. Poverty and the gap between wealthy and poor are increasing. Access to basic needs is still a challenge many parts of the world. The globe is warming up every day and there is no foreseeable means to reverse the trend. Internally and externally displaced refugee crisis is at all time high. Rapid advancement in technology must play a meaningful role in this situation. Although health services, food aid, food security, and water and hygiene promotion are still the core focus of humanitarian effort, other areas listed below have also gained considerable attention. Authors are invited to submit innovative research or descriptive articles on technologies that will benefit and advance humanity. Topics include, but are not limited to:

- Disaster management mitigation, relief, and recovery- technologies
- Connectivity and communications technologies
- Technologies for water and sanitation
- Mobile health (mHealth), medical technology, and telemedicine
- Data and personal security technologies for humanitarian and development applications
- Energy technologies including micro grids, renewable energy, and smart power grids
- Technologies for sustainable educational programs related to humanity
- Community engagement; social and economic factors in humanitarian engineering
- Food security, micro-farming, and urban agriculture
- Technologies for the disabled and/or aged population
- Social impact of technology

**Submission Procedure:** Submissions should follow the IEEE standard template (see <http://ieeauthorcenter.ieee.org/>) and should consist of the following: (i) A manuscript of maximum 6-page length: A pdf of the complete manuscript layout with figures, tables placed within the text; (ii) A source file in Word or Latex format; (iii) High resolution original photos and graphics as JPEG files are required for the final submission. Images embedded in Word or Excel documents are not suitable; however, figures and graphics may be provided in a PowerPoint slide deck with one figure/graphic per slide. Articles which have been previously published at a conference need to have at least 40% new material as clarified in the cover letter of the submission. The manuscripts need to be submitted online at <http://mc.manuscriptcentral.com/cemag>. The authors need to select "*Special Section: Implementable Humanitarian Technology (IHT)*" in Step-1 of the submission process to ensure that the article is reviewed for this Special Call. For any questions, please contact guest editors.

<b>Schedule (Tentative):</b>	<b>Guest Editors:</b>
<ul style="list-style-type: none"><li>• Submission Deadline: April 02, 2018</li><li>• Author Notification: August 15, 2018</li><li>• Publication Date: Mid 2019</li></ul>	Xavier Fernando, Chair, IEEE Humanitarian Initiatives Committee, Ryerson University ( <a href="mailto:xavier@ieee.org">xavier@ieee.org</a> ) Rozita Dara, University of Guelph, ( <a href="mailto:drozita@uoguelph.ca">drozita@uoguelph.ca</a> )

