



Disruptive Technologies, Ethics and Global Development

21-22 October 2016, Trivandrum, Kerala, India
Call for Papers, Practitioner and Oral Presentations
and Community Engagement Sessions

IEEE International Symposium on Technology and Society (IEEE ISTAS) is the annual flagship event of the IEEE Society on Social Implications of Technology (SSIT). SSIT's five fields of Interest (Global Development, Technology and Ethics, Social Inclusion, Human Use of Technology and Sustainable Technology) will all be showcased during IEEE ISTAS 2016, which is organised for the first time in India by IEEE Kerala Section. IEEE ISTAS 2016 provides a multi-disciplinary platform for practitioners and researchers from the public, private, education and research and societal sectors, as well as engineers, policy makers, NGOs, technologists and social scientists, to collaborate, exchange experiences and good practices, and discuss social, cultural, economic and ethical implications of current and emerging technologies.

Building on the prominence placed on Global Development and Humanitarian Activities during IEEE ISTAS 2015 in Ireland, IEEE ISTAS 2016 will also put a strong emphasis on the potential impact and implications of disruptive technologies (including IoT and Cloud Computing) on Global Development. Community Engagement will be a feature of this year's Symposium, with practitioners, researchers, development professionals, members of IEEE SIGHTs, ICT4D oriented NGOs and social enterprises leveraging technology from across India invited to participate in a dedicated parallel track.

Keynote Speakers and Panellists will include international and national experts in the SSIT Fields of Interest, including from the US National Science Foundation, University of New South Wales, TCS, IEEE R10, IEEE SSIT and IEEE SIGHT. Thematic areas of particular relevance for papers, case studies, practitioner presentations and community engagement related workshops include Agriculture and Food Security, Education, Energy, Environment and Healthcare. All accepted papers presented at the conference will be published in the Conference Proceedings and submitted for inclusion in IEEE Xplore.

We invite submissions of full papers for oral presentation. Practitioners also have the option of sharing your valuable insights, experiences and lessons learnt with the ISTAS community through oral presentations, which you can propose by submitting a proposal through the ISTAS 2016 Portal (<http://istas2016.org>). Proposal for 90 minute Community Engagement Workshops are also welcome. All proposals (Papers, Practitioner/Oral Presentations, Community Engagement Sessions) must clearly address economic, ethical, policy, socio-cultural and sustainability issues associated with:

1. Sustainable Technologies for the Developing World

- Challenges in adopting environmentally sustainable technologies
- Frugal Engineering and other sustainable solutions
- Society, Smart Cities and Smart Villages.
- Working towards UN Sustainable Development Goals (SDGs)

3. Ethics and Professional Responsibility

- Ethics in Education and Research
- Citizen Identification mechanisms
- Drones, Cyber-warfare, Cyber terrorism and weaponization
- Ethics in the context of pervasive technologies such as IoT and Genomic/Genetic Technologies
- Engineers, Students and Professional Responsibility in Times of Pervasive Technology

2. Data, Code, Ownership, Security, and Privacy

- Data, Surveillance, Anonymity, Privacy & Security
- Free and Open Source Software, Open Data, Content Licenses, TOR & Anonymity
- IoT, IoE, Collaboratively Generated Content, and the Cloud

4. Advancing Humanity through Technology (IEEE SIGHT Track)

- Appropriate technologies for the developing world.
- Environment-friendly Energy Solutions
- Drinking water and Water Purification Systems
- Digital inclusion for the differently-abled
- Technology to augment core sectors
- Disasters and Disaster Risk Reduction
- Mitigating impact of Climate change

Important Dates

Submissions Open: 1 March 2016

Draft full paper/Tutorial/CEW Proposal extended submission : 15 July 2016

Notification of Acceptance : 15 August 2016

Camera ready paper and Author registration : 15 September 2016

Conference Date : 21-22 October 2016

Please visit <http://istas2016.org>
or contact: secretariat@istas2016.org

Supporting Organizations:

