

SUSTAINABLE DEVELOPMENT GOALS

WFEO-CIC is actively involved in the fulfillment of the SDGs through multiple actions undertaken by our members, Standing Technical Committees and Working Groups.

The work of CIC is related to the following UN Sustainable Development Goals :

 <p>3 GOOD HEALTH AND WELL-BEING</p>	Ensure healthy lives and promote well-being for all at all ages
 <p>6 CLEAN WATER AND SANITATION</p>	Ensure access to water and sanitation for all
 <p>7 AFFORDABLE AND CLEAN ENERGY</p>	Ensure access to affordable, reliable, sustainable and modern energy for all
 <p>9 INDUSTRY, INNOVATION AND INFRASTRUCTURE</p>	Build resilient infrastructure, promote inclusive and sustainable industrialization and foster innovation
 <p>11 SUSTAINABLE CITIES AND COMMUNITIES</p>	Make cities and human settlements inclusive, safe, resilient and sustainable
 <p>17 PARTNERSHIPS FOR THE GOALS</p>	Strengthen the means of implementation and revitalize the global partnership for sustainable development

C O N T A C T



Chairman, WFEO-CIC
Dr T M Gunaraja



WFEO-CIC Secretariat
Maj Gen S Bhattacharya, VSM (Retd)
Secretary and Director General
The Institution of Engineers (India)
8 Gokhale Road, Kolkata 700020



+91 33 40106206
+91 33 40106203
+91 33 22238230



intnl@ieindia.org



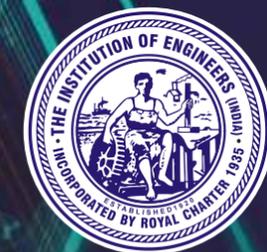
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World Federation of Engineering Organizations
Fédération Mondiale des Organisations d'Ingénieurs

Committee on Information and Communication (CIC)

Hosted by



The Institution of Engineers (India)

ABOUT WFEO

The World Federation of Engineering Organizations (WFEO) is the lead organization for the engineering profession globally, comprising of over 100 Nations with more than 30 million engineers in its fold. The members of WFEO are the prominent national and regional professional engineering institutions of the world. WFEO is a member of the United Nations Scientific and Technological Community Major Group and has an official Associate status with UNESCO.

COMMITTEE ON INFORMATION AND COMMUNICATION (CIC)

Objectives

The Committee on Engineering for Information & Communication” (WFEO-CIC), one of the standing committees of WFEO, has set its objectives in the area of technological evolution, in order to identify suitable technologies for sustainable development, especially in the context of the UN Millennium Development Goals and the Bali Action Plan. The CIC is hosted by The Institution of Engineers India (IEI). For the present term (2019-23) it is chaired by Dr T M Gunaraja, Immediate Past President, IEI.

WFEO-CIC is dedicated to the field of ‘Information and Communication’ and has the responsibility to leverage the Information and Communication Technology paradigm. The CIC has the responsibility for fulfilling the tasks allocated by WFEO in accordance with the United Nation's Sustainable Development Goals.

We invite professionals, engineers, academicians, NGOs and professional bodies amongst others to offer suggestions towards meeting the objectives of WFEO-CIC.

Strategic and Action Plan

The WFEO Committee on Engineering for Information and Communication (WFEO-CIC) intends to-

❖ *Collaborate with other WFEO Members and establish synergy with other Standing Committees*

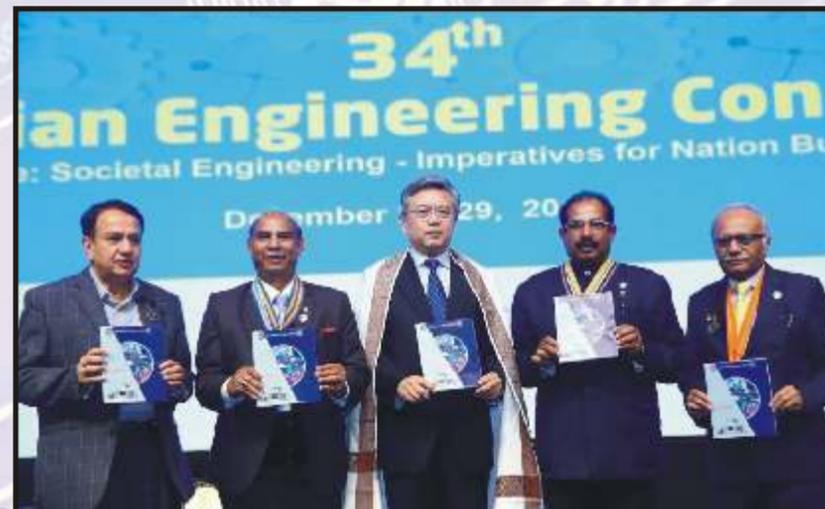
WFEO-CIC is actively invested in the fulfillment of the SDGs through multi-pronged initiatives to be undertaken involving members, Standing Technical Committees, and Working Groups. The Committee intends discuss science, technology and innovation cooperation around thematic areas for the implementation of the sustainable development goals, congregating all relevant stakeholders to actively contribute in their area of expertise.

❖ *Focus on dissemination of information through*

◆ *Monographs*

The WFEO-CIC has plans to prepare monographs aligned with the U N Sustainable Development Goals (SDGs) including dissemination of knowledge about the underlying technologies for global initiatives like Smart Cities with basic civic amenities in line with the sustainability goals identified by the UNDP and its delivery to the smart city dwellers through smart platforms like Industry 4.0.

To this end, a monograph titled 'Digital Transformation-Industry 4.0 Paradigm' published by The Institution of Engineers (India) was released by Prof Gong Ke, President-WFEO, during the inauguration of the 34th Indian Engineering Congress at Hyderabad on 27 December 2019.



Some of the other contributions of WFEO-CIC include publication of Monographs on ‘Cyber Security and IOT’, ‘ICT for Healthcare in India’, ‘ICT in Smart Cities: Relevance to Developing Countries’ and ‘ICT in Micro Farming’ etc.

◆ *Seminars and Conferences*

The Committee has hosted several International Seminars outside as well as inside the host country. International Seminar on 'Industry 4.0' was held at Ipoh, Malaysia in July 2018 followed by the International Conference on 'Smart Cities-The Evolution of Urban Development', at Yangon, Myanmar in August 2019. The events hosted in India include 'AgRuTech 2018' and International Seminar on 'Futuristic Farmer-led Irrigation: Pressurized Pipe Network and Automation Technologies for Enhanced Water Use Efficiency' in April 2018 and March 2019 respectively, besides other such events.

❖ *Promote networking through collaborative Seminars & Conferences*

WFEO-CIC strives to facilitate networking through hosting of collaborative Seminars & Conferences to share experience in leveraging Information and Communication Technology (ICT) especially in developing countries. As a Standing Technical Committee of WFEO dedicated to the field of ‘Information and Communication’, WFEO-CIC has the responsibility to push forward ‘ICT for Development’ as its guiding line with focus on the following areas:

- ◆ *ICT for Sustainable Development*
- ◆ *ICT Innovation in Emerging Economies*
- ◆ *ICT in Quality of Engineering Education*
- ◆ *Big Data Analytics.*