IEEE R10 HUMANITARIAN TECHNOLOGY CONFERENCE 2023

Artificial Intelligence and Smart Technologies for Humanity

16-18 October 2023

Marwadi University, Rajkot, Gujarat, India

https://r10htc2023.org/

IEEE Gujarat Section

Reported by

Rajendrasinh Jadeja, General Chair

Conference Schedule

- Paper Submission Deadline   May 31, 2023
- Paper Acceptance   July 18, 2023
- Paper Acceptance (Special Tracks)   July 30, 2023
- Early Bird Registration   Aug 10, 2023
- Early Bird Registration (Special Tracks)   Aug 20, 2023
- Camera Ready Paper Submission   Aug 05, 2023
- Camera Ready Paper Submission (Special Tracks)   Aug 15, 2023
- Tutorial/Workshop/Special Session Proposals   May 15, 2023
- Conference Date   October 16-18, 2023
- Date for IEEE Xplore Upload   November 20,2023
- Date & Status for Financial Budget submission   December 30, 2023 submitted

Conference Organizing Committee

- GENERAL CO-CHAIRS

- **R B Jadeja,** Marwadi University, Rajkot

- **Rajeev Ahuja,** IIT Ropar, Rupnagar

- **Kukjin Chun,** IEEE Region 10, Asia Pacific

- **Anil Roy,** DA-IICT, Gandhinagar

- **Kiran Amin,** Ganpat University, Mahesana

- CONFERENCE TREASURER

- **Manisha Shah,** Nirma University, Ahmedabad

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- **Ashish Phophalia,** IIIT, Vadodara

- **Michael Ong,** University of California, Los Angeles

- **Takao Onoye,** OSAKA University, Japan

- **Sammer S M,** NIT, Calicut

- **Chirag Paunwala,** SCET, Surat

- ORGANIZING COCHAIRS

- **C N Ramchand,** Maggenome technologies Pvt ltd, Chennai

- **Keshav Deo,** Almelo Private Limited, Hyderabad

- **Mousmi Ajay Chaurasia,** Muakham Jah College Engineering and Technology, Hyderabad

- **Abhisek Appaji,** IEEE Bangalore Section, Bengaluru

- **Amit Ved,** Marwadi University, Rajkot

Keynote Speakers

Prof. Saifur Rahman (2023 IEEE President and CEO Joseph Loring Professor & Director Virginia Tech Advanced Research Institute, USA) – online mode

Prof. Lance Fung (2023-24 IEEE R10 Director Emeritus Professor, Murdoch University, Australia)

Prof. Jyotika Athavale (President-Elect 2023, IEEE Computer Society Director RAS Architecture at Synopsys, USA)

Prof. Takako Hashimoto (Director Elect 2023, IEEE R10 Chiba University of Commerce, Japan)

Kiran Amin –Chair, IEEE Gujarat Section,

Prof. K.V.S Hari (Indian Institute of Science, Bangalore, India)

Dr. Rakesh Kumar (Life Fellow IEEE, 2024 VP-elect Candidate IEEE Technical Activities, USA)

Prof. Kukjin Chun (Past IEEE R10 Director Seoul National University, Seoul, South Korea)

Prof. Shaikh A. Fattah (Professor, Department of EEE, Director, Institute of Robotics and Automation, BUET (IRAB), Bangladesh)

Dr. Maike Luiken (2023 IEEE President-Elect Candidate IEEE Past Vice President, MGA, 2022, Canada)- online mode

Dr. Sudheshna Chaudhary (Director, Sustainability & Multi Cloud, Partner Ecosystems & Alliances, Tata Consultancy Services, Kolkata, West Bengal, India)

Special Sessions

- Industry Conclave

- HTA Congress

- YP Track

- LMAG Track

- Conference quality and management workshop

- WIE session

- HTB workshops

- IEEE R10 Section Chapter Mini-symposium

- Workshop on ethics day celebration

- Sustainable development plan for SYWL

Technical Session

- Track I - Smart Technologies & IOT for Humanity

- Track II - Smart City & Smart Village

- Track III - Power and Energy

- Track IV - Environment and Sustainability

- Track V - Earthquake Engineering & Disaster Management

- Track VI - Agriculture

- Track VII - Data Science and Engineering

- Track VIII - Applied Areas of Industry 4.0

- Track IX - 5G Technology for Humanity

- Track X - Machine Learning for Humanity

- Track XI - Technologies and Innovations in Healthcare

- Track XII - AR (Augmented Reality) & VR (Virtual Reality) for Humanity

- Track XIII - Entertainment & Computer Gaming for Humanity

- Track XIV - Education

- Track XV - Security and Surveillance for Humanity

- Track XVI - Innovation and Entrepreneurship Track

- Track XVII - Clinical Genomics

- Track XVIII - Green and Smart Materials and Composites for sustainable habitats

- Track XIX - Gut Microbiome using Bioinformatics

- Special Track 1 : Unlocking a New Era of Human Progress with Smart Technologies and IOT

- Special Track 2 : Integrated or hybrid system technologies for sustainable power applications to enable smart living

- Special Track 3 - AI-CPS-DI: Artificial Intelligence-driven Cyber-Physical Systems (CPS) for Secure & Reliable Digital Infrastructure

- Special Track 4 : 6G Wireless Systems Future Vision with Machine Learning (ML) & Artificial Intelligence (AI) Towards Healthcare, Education, Sustainability and Environment

Registrant Category

- Total number of IEEE Members :160
- Total number of non-IEEE Members: 41
- Total number of IEEE Student Members:70
- Non IEEE student Members: 08
- Others (Tutorial + Workshop): 45
- Total : 324 participants.

Conference Paper Statistics

- Total number of Paper Submission: 692

- Total number of Accepted Papers: 217

- Acceptance rate:31.35

- Final Presented Papers:202

- Oral Presented: 202

- Total number of Registered Participants:324

Conference 1ˢᵗ Authors Statistics

Country	No. of Papers
India	537
Bangladesh	45
Sri Lanka	13
Japan	5
USA	4
Iraq	3
Malaysia	2
Botswana, Bhutan, Indonesia, Russia, Philippines, Australia, UAE, Qatar, Oman	1(Each)

Conference Financial Overview

1. Expenses: 18,59,302.60 INR

2. Revenue: 28,91,888.16 INR

3. Surplus / Loss: 10,32,585.56 INR = 12,407.901 US $
(@83.22 INR/US$, as on 14/02/2024)

Sponsors

Lifeactivus

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Career Launcher

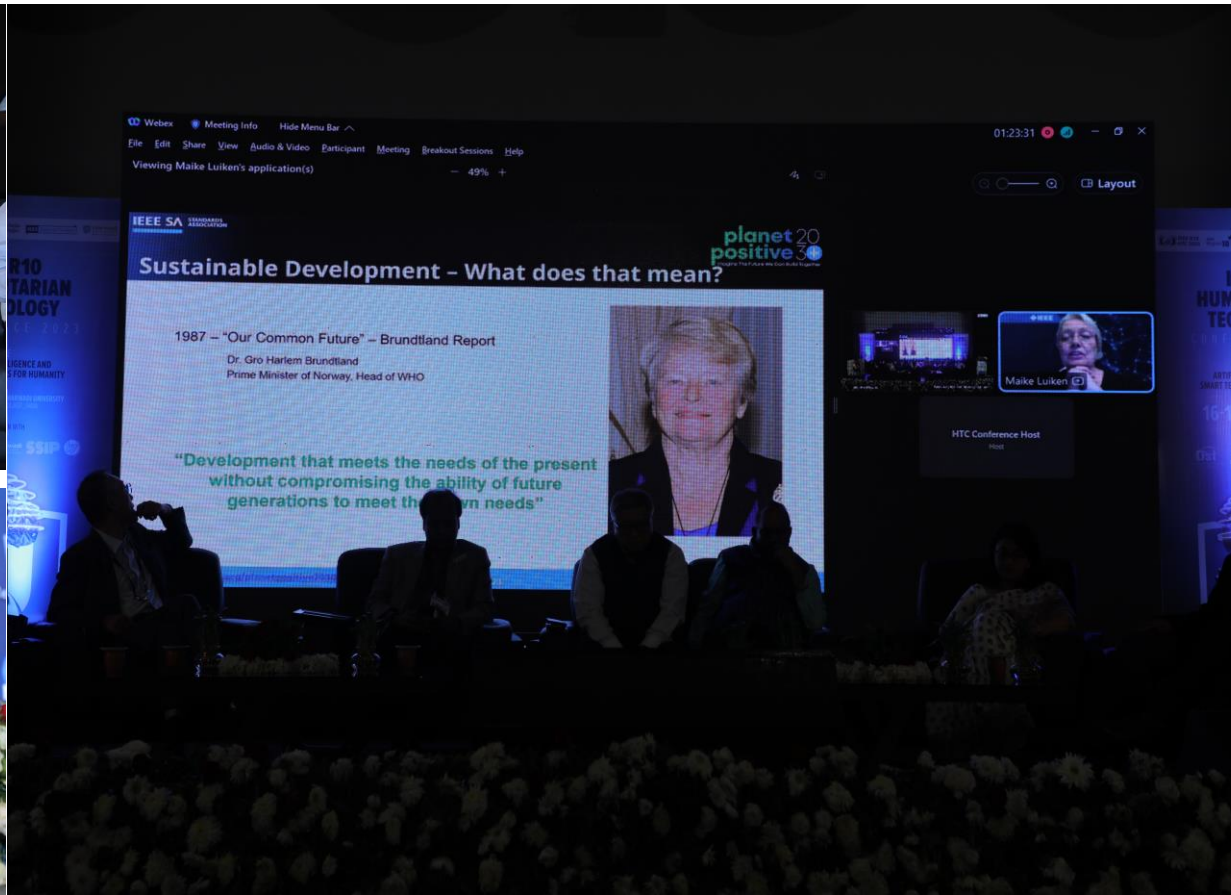MagGenome Technologies

TrackWizz

Inauguration Ceremony

Dignitaries on Dias (L-R Takao Onoye, Deepak Mathur, Rajendrasinh Jadeja, Takako Hashimoto, Sandeep Sancheti, Kiran Amin).

Audience during Inauguration Ceremony

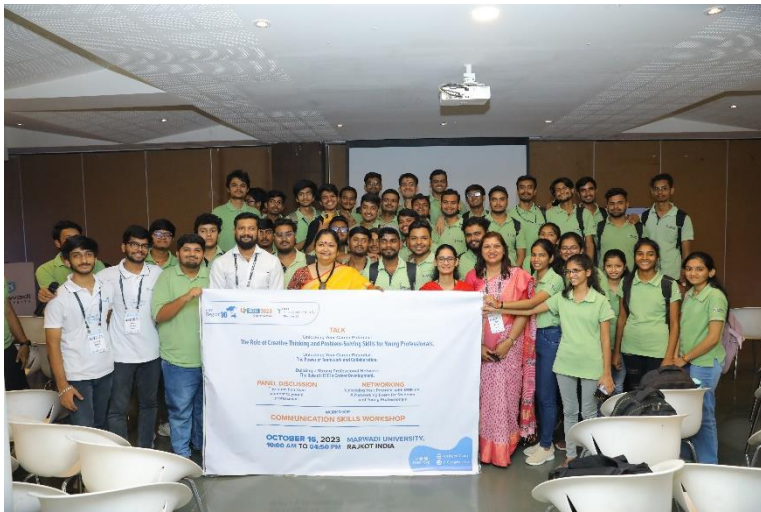HTA Congress during HTC 2023

Industry Conclave workshop

Volunteers and guests

stalls and paper presentation

Various events and workshops during HTC 2023

Keynote address on Day-2

Dignitaries on Dias on Day 2 with IEEE Gujarat Section president Dr. Kiran Amin presenting activity report of IEEE Gujarat Section.

Various events during HTC

Keynote speeches on Day -3

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Valedictory Session