

TENSYMP 2022

Technologies on the horizon for the benefit of humanity

July 1-3, 2022

VMCC, Indian Institute of Technology (IIT) Bombay, INDIA

<https://www.ieeebombay.org/tensymp2022/>

Bombay Section

Dr. Satyanarayana Bheesette (General Chair, TenSymp 2022)

Anand Suhas Gharpure (Chair, IEEE Bombay Section 2023)

Conference Plan & Schedule

- **Conference bid: 11 November 2020**
- **Conference Approval: 3 November 2021**
- **First Call for Papers: 23rd November 2021**
- Special Session (SS)/ Workshop/Tutorial Proposals Deadline: 30th March 2022
- Paper Acceptance Notification: 1st April 2022
- Last Date Of Paper Submission: 5th April 2022
- Early Bird Registration Deadline: 11th May 2022
- Camera Ready Submission: 15th May 2022
- Author Registration Deadline: 21st May 2022
- Attendees Registration Deadline: 15th June 2022
- **Date for IEEE Xplore Upload: 21st August 2022**
- **Date of IEEE Xplore publication: 29th August 2022**
- Date & Status for Financial Budget submission: October 15, 2022 & Submitted

Conference Organizing Committee

- **General Chair:** Satyanarayana Bheesette
- **General Co-Chair:** Anand Suhas Gharpure
- **Secretary:** Saurabh Mehta
- **Treasurer:** Kiran Talele
- **Publication Chair:** Suryanarayana Doolla
- **Special Sessions Chair:** Pradyumn Chaturvedi
- **Poster Presentations Chair:** Aarti Karande
- **Local Organising Chairs:** S.V. Kulkarni & Arnab Maity
- **Industry Relations Chairs:** M.K. Badapanda & Aiyappan Pillai
- **Registration Chairs:** Sarika Chouhan & Anita Diwakar
- **Publicity Chairs:** Chanakya Kumar & Vinit Kotak
- **Digital & Social Media Chairs:** Mukund Sathe & Zakir Rather
- **Travel and Social engagements Chairs:** Varsha Turkar & Ashwini Kotrashetti
- **Accommodation and Local hospitality Chairs:** Amiya Tripathy & Dattatray Sawant
- **Technical Services Chair:** Hannan Satopay

Keynote Speakers

- **Prof. K.V.S. Hari (Indian Institute of Science, Bengaluru, India and Vice President-Membership, IEEE Signal Processing Society)** on “Sensing and Signal Processing for Autonomous Navigation Applications - Case studies”,
- **Prof. Ashok Jhunjunwala (President, IITM Research Park, IITM Incubation Cell and RTBI, India)** on “Moving India towards Net-Zero”
- **Dr. Anthony Butler (Professor and Head, Department of Radiology, University of Otago, Christchurch, New Zealand)** on “Colour X-ray for Medicine”
- **Prof. Sanghamitra Bandyopadhyay (Director, Indian Statistical Institute, Kolkata, India)** on “AI in Healthcare”

Invited Speakers

- Invited talks:
 - **Prof. Rahul Banerjee (Director LNMIT Jaipur)** on “A Blockchain-enabled Trustworthy Intelligent Advisory System Architecture for Assisting Sports Coaches”
 - **Prof. Amit Prakash (IIIT Bangalore)** on “Embedding Inclusion in Technology Designs: Some Cases, Some Reflections”
 - **Prof. Shriganesh Prabhu (TIFR Mumbai)** on “Tera-Hertz (THz) Spectroscopy: Recent Trends”
 - **Prof. Anil Prabhakar (IIT Madras)** on “Empowering People with Assistive Devices”
 - **Prof. Chirag Paunwala (Dean (R&D), Sarvajanik College of Engineering & Technology, Surat)** on “Early Diagnosis of Dyslexia based on EEG”
 - **Dr. Satya Gupta (CEO, EPIC Foundation & President, VLSI Society of India)** on “Making India a Semiconductor Nation”
 - **Prof. Sandeep Anand (IIT Bombay)** on “Role of power electronics in renewable integration”
 - **Mr. Bikash Chandra Mallick (Chief Engineer, Thermal Project Renovation & Modernization (TPRM), CEA)** on “Carbon Net Zero and sustainability”

Special Sessions

- **Dr. Arun Agarwal:** MIMO-OFDM and Channel Coding Techniques for 5G networks
- **Dr. Jayant Joshi:** Wearable and flexible antennas for wireless and mobile communication systems
- **Dr. Mayuri Mehta:** The increasing role of AI and explainable AI (XAI) in healthcare
- **Dr. Deepak Waikar:** Integrated multidisciplinary-holistic engineering education: An alternative pragmatic perspective
- **IEEE tracks Sessions**
 - **Mr. Sri Chandra and Mr. Subramanian Chidambaram** (IEEE Standards)
 - **Mr. R. K. Ashthana, Prof. Juzer Vasi and Mr. R. Muralidharan** (R10 LMC track)
 - **Mr. Sanjay Kar Chowdhury and Mr. Ramana Anchuri** (R10 IRC track)

Technical Session

Day 1: July 1, 2022

Time (IST)	Mode	Activity
08:00 - 09:00	Offline	Registration & Welcome
09:00 - 09:30	Hybrid	Inauguration & Unveiling of new logo of Bombay Section
09:30 - 10:15	Hybrid	Keynote Talk (Physical, Inaugural): Prof. K.V.S. Hari
10:15 - 10:30		High Tea
10:30 - 11:00	Hybrid	Parallel Track Invited Talks (IT1/IT2)
11:00 - 13:00	Hybrid	Parallel Technical Sessions (TS1/TS6/TS9/TS15/TS23)
13:00 - 14:00		Lunch
14:00 - 14:30	Hybrid	Parallel Track Invited Talks (IT3/IT4)
14:30 - 16:30	Hybrid	Parallel Technical Sessions (TS2/TS11/TS16/TS20/TS24)
16:30 - 16:45		Tea
16:30 - 18:30	Hybrid	Industry Session (MathWorks Workshop)

Technical Session

Day 2: July 2, 2022

Time (IST)	Mode	Activity
09:00 - 11:00	Hybrid	Parallel Special (SS1/SS4/SS5) & Physical Poster (PP1) Sessions
11:00 - 11:15		Tea
11:15 - 13:15	Hybrid	Parallel Technical (TS3/TS7/TS10/ TS18/TS25) & Virtual Poster (VP1) Sessions
13:15 - 14:00		Lunch
14:00 - 14:30	Hybrid	Parallel Track Invited Talks (IT5/IT6)
14:30 - 16:30	Hybrid	Parallel Technical (TS4/TS12/TS17/TS21/TS26) & Virtual Poster (VP2) Sessions
16:30 - 16:45		Tea
16:45 - 17:30	Hybrid	Keynote Talk (Physical, Evening Talk): Prof. Ashok Jhunjhunwala
17:30 - 19:30	Hybrid	Parallel Special (SS2/SS3/SS6) & Physical Poster (PP2) Sessions
20:00 - 22:00		Gala dinner

Technical Session

Day 3: July 3, 2022

Time (IST)	Mode	Activity
09:30 - 10:15	Hybrid	Keynote Talk (Virtual): Prof. Anthony Butler
10:15 - 10:45		Parallel Track Invited Talks (IT7/IT8)
10:45 - 11:00	Hybrid	Tea
11:00 - 13:00	Hybrid	Parallel Technical Sessions (TS5/TS8/TS14/TS19/TS27)
13:00 - 13:45		Lunch
13:45 - 14:30	Hybrid	Track Invited Talk (IT9) & R10 IRC Session (IT10)
14:30 - 16:30	Hybrid	Parallel Technical Sessions (TS13/TS22/TS28/TS29)
16:30 - 16:45		Tea
16:45 - 17:30	Hybrid	Keynote Talk (Virtual, Concluding): Prof. Sanghamitra Bandyopadhyay
17:30 - 18:00	Hybrid	Valedictory Session and Awards

Conference Paper Statistics

- **Total number of Paper Submission: 404**
- **Total number of Accepted Papers: 276**
- **Acceptance rate: 68.3%**
- **Final Presented Papers: 241**
- **Oral Presented: 204**
- **Interactive Forum Presented: Hopin**
- **Total number of Registered Participants: 282**

Conference Paper Statistics

- Number of Countries : 20
- Country wise Distribution :

Country	Authors
Australia	5
Bangladesh	125
Canada	1
China	5
Finland	1
Hungary	1
India	577
Indonesia	16
Iran	1
Iraq	1
South Korea	4
Malaysia	17
Myanmar	1
Philippines	69
Saudi Arabia	1
Sri Lanka	8
Thailand	1
UAE	2
UK	1
USA	11

Conference Reviewer Statistics

- **Total Number Reviewers: 456**
- **Total Number of Reviews:930**

Registrations (Category wise)

- **Total number of IEEE Professional Members: 16**
- **Total number of Non-IEEE Members: 32**
- **Total number of IEEE Student Members: 154**
- **Total number of Non-IEEE Student Members: 50**

Grants

- **Total number of Registration Grants applied: 17**
- **Total number of Travel Grants applied: 8**
- **Total number of Registration Grants : 17**
- **Total number of Travel Grants : 8**
- **Approved Registration Grants (%) : 100**
- **Approved Travel Grants (%) : 100**

Conference Financial Overview

- A. Revenue: ~ US\$ 27,800
- B. Expenses: ~ US\$ 26,900
- C. Surplus: ~ US\$ 900

Sponsors



Inauguration Session



DISHA – Schools Kids initiative



Thank you all



LS:18

IEEE



Sustainable Smart Lighting
World Conference & Expo

June 8th – 10th, 2023

Mukesh Patel Auditorium, Mumbai, India
Conference Record #58153

Tracks

Solid-State Lighting
Connected lighting systems (CLS)
Micro-grids/Sustainable Lighting

The lighting 4.0
Human Centric Lighting (HCL)

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