



IETE INTERNATIONAL CONFERENCE INDIA-2023 (IICI-23)

on
AI & ML DRIVING 5G-ADVANCED & 6G
▪ **Making 6G & AI in India for The World**

MAY 03 - 05, 2023 | BENGALURU, INDIA

Organized by
The Institution of Electronics and Telecommunication Engineers (IETE)
(Recognized as SIRO by Govt of India)

JOINTLY WITH
BHARAT ELECTRONICS LTD (BEL)
&
CENTRE FOR DEVELOPMENT OF TELEMATICS (C-DOT)
at
BEL ACADEMY OF EXCELLENCE (NALANDA)
BENGALURU, INDIA

ANNOUNCEMENT & CALL FOR PAPERS

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IETE, jointly with BEL & C-DOT, is organizing The Second 'IETE International Conference India -2023' (iici-23), on "**AI & ML DRIVING 5G & BEYOND - Making 6G & AI in India for The World**" from May 03 to 05, 2023 in Bengaluru. This conference attempts to highlight the technological developments in 5G-Advanced & 6G with emphasis on the critical role of Artificial Intelligence and Machine Learning in efficient design of 5G-Advanced & leading to 6G Networks.

5G & 6G are set to power billions of connections and be the network infrastructure for the Internet of everything. Economists estimate the global economic impact of 5G in new goods and services will reach \$12 trillion by 2035. The economic impact of 5G is estimated to be over one trillion dollars for India, which is aggressively positioning itself to be at the forefront of this new age technology

Think about a world in which not just people but all things are connected: cars to the roads they are on; doctors to the personal medical devices of their patients; augmented reality available to help people shop and learn and explore wherever they are. This requires a massive increase in the level of connectivity. Beyond 5G leading to 6G is the technological answer, making possible billions of new connections, and making those connections secure and instantaneous which will impact every industry – autos, healthcare, manufacturing and distribution, emergency services, just to name a few.

AI & ML DRIVING BEYOND 5G leading to 6G

A fully operative and efficient 5G-Advanced & 6G networks cannot be complete without the inclusion of artificial intelligence (AI) routines. Existing networks with all-IP (Internet Protocol) broadband connectivity are based on a reactive conception, leading to a poorly efficiency of the spectrum. AI and its subcategories like machine learning and deep learning have been evolving as a discipline, to the point that nowadays this mechanism allows 5G-Advanced & 6G wireless networks to be predictive and proactive, which is essential in making the 6G vision conceivable.

iici-2023

iici-2023 creates a platform for experts in these domains to come together and exchange their research and developments. It also provides opportunities for industries and startups to exhibit and announce their new and innovative products, ideas and concepts in 5G Advanced, 6G and AI, at this conference. Leading renowned experts will be participating in the conference sharing their expertise in their domains in the pre-conference Tutorials and also in the Keynote / Invited Talks.

Tutorial:

Leading experts in the domain of 5G-Advanced and initial Research in 6G / AI / ML will be conducting a pre-conference Tutorial on 03rd May 2023 covering in-depth finer aspects of these technologies.

Exhibition:

A technical exhibition will be organized during the conference. It gives a great opportunity for the technology companies to exhibit their products and services. Please contact the organizers for the details.

Sponsorship & Souvenir Advertisements:

IICI-23 also gives a great opportunity to sponsor the conference through Platinum, Gold, Silver and other event Sponsorships to support and get greater visibility at the conference and also through advertisements in the special Souvenir to be released. Please contact the organizers for the details.

Call for Papers:

All researchers working in the domain of Wireless Communications, AI & ML are requested to submit their contributions in these broad areas for presentation in IICI-2023.

Some suggested topics (but not limited to only these): All aspects of 5G, 5G-Advanced, 6G & AI particularly related to: 6G network, NR, Massive MIMO, Beam Forming, mmwave, Waveforms, Numerology, eMBB, mMTC, uRLC, Mobile Edge & Fog Computing, NTN, Spectrum Sensing & Sharing, Positioning, Cell Free massive MIMO, Holographic Radio, IRS, AI, ML, Deep Learning, Network Slicing / SDN / Network Virtualization, Applications of 5G/6G/AI etc.

Selected accepted papers will be published in peer reviewed journal.

Important Dates:

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| • Last Date for Receipt of Papers : | 25 Mar 2023 |
| • Notification of Paper Acceptance: | 10 April 2023 |
| • Receipt of Accepted Full Papers : | 20 April 2023 |
| • Last date for Registration
(with concessions) : | 25 April 2023 |
| • Conference : | 03 to 05 May 2023 |

Registration:

Tutorial:	Rs 2000 (before 25th April 2023)
	Rs 2500 (after 25th April 2023)
Conference:	Rs 5000 (before 25th April 2023)
	Rs 5500 (after 25th April 2023)
Conference + Tutorial:	Rs 6500 (before 25th April 2023)
	Rs 7000 (after 25th April 2023)

IETE members and Academic Faculty: 20% CONCESSION

ISF STUDENTS: 50% CONCESSION

Please contact IICI-23 Coordinators at: **Dr M H Kori / Dr C P Dwivedi / Dr Shiva Prasad Yadav**, at iici23iete@gmail.com, mhkori@gmail.com, dwivedichandra@yahoo.com, shivaspy@gmail.com, bangalore@iete.org

IETE

The Institution of Electronics and Telecommunication Engineers (IETE) is India's leading recognized professional society devoted to the advancement of Electronics, Telecommunications, Computers and Information Technology. Founded in 1953, it serves its members through 63 Centres, spread all over India including one in Kathmandu, Nepal. The Government of India has recognized IETE as a Scientific and Industrial Research Organization (SIRO) and has also notified it as an Educational Institution of National Eminence. The Institution provides leadership in Scientific and Technical areas of direct importance to the National development and economy.

IETE Bengaluru Centre is one the leading IETE Centres spearheading high tech ICT research & development.