



**INDIA
MOBILE
CONGRESS**

**THE FUTURE
IS NOW**

INTERNATIONAL  **NAL**
6G SYMPOSIUM

16th–17th October 2024
Bharat Mandapam, New Delhi

“ Ubiquitous, Trustworthy and Intelligent 6G
networks for Digital Transformation of Society ”

The **Bharat 6G Alliance** is an initiative of Indian industry, academia, national research institutions, and standard organisations. Its purpose is aligned with the Bharat 6G Mission of the Government to design, develop and deploy technology and innovations that provide an intelligent and secure solution for high-quality living experience of citizens in India and across the world. Bharat 6G Alliance, inter alia, aims to promote the ecosystem for research, design, development, IPR creation, field testing, security, certification and manufacturing of telecom products and solutions.

India Mobile Congress (IMC) emerges as a beacon of innovation and collaboration. This year, it will be held from 15–18 October 2024, at Bharat Mandapam, New Delhi, with the theme "**The Future is Now**". As we navigate breakthroughs in connectivity and digital infrastructures, the theme brings together global leaders—visionaries, pioneers, and innovators—to collaborate & actively shape the technologies transforming our world today.

Bharat 6G Vision

Design, develop and deploy 6G network technologies that provide ubiquitous intelligent and secure connectivity for high quality living experience for the world

It is with great excitement and anticipation that we welcome you to the International Symposium on 6G. The advent of 6G technology promises to be a transformative force, revolutionizing not only how we communicate but also reshaping industries and society at large. 6G represents the convergence of sensing, communications, computing, and control, creating a seamless network that integrates these technologies into a cohesive whole. This will unlock new possibilities in sectors such as healthcare, education, transportation, and smart cities, driving economic growth and enhancing quality of life. The resilience and security of these advanced networks will be critical in supporting the digital infrastructure of the future, ensuring that our increasingly interconnected world is both inclusive and sustainable. As we embark on this pioneering journey, it is crucial to align our technological, standardization, policy, and funding strategies from the outset, laying the groundwork for innovations that will redefine our daily lives and societal structures. This event marks a historic convergence of visionaries, innovators, and leaders from around the globe, uniting to shape the future of telecommunications.

This symposium is designed to bring together thought leaders and key stakeholders from industry, academia, government, and international organizations in a spirit of collaboration and innovation. Our mission is to engage in meaningful dialogue, address the challenges of today, propose visionary solutions, and chart a path toward a future where 6G technology revolutionizes connectivity and transforms societies

About the Event

India has achieved one of the fastest rollouts of 5G networks globally, with the Hon'ble Prime Minister launching 5G in October 2022 at the India Mobile Congress (IMC). Now, India stands on the brink of another technological leap with the "Bharat 6G Vision" unveiled on March 22, 2023, by Hon'ble Prime Minister Mr. Narendra Modi. This vision places India as a leading contributor to the 6G revolution, emphasizing affordability, sustainability, and ubiquity.

The international 6G symposium is strategically aligned with the World Telecommunication Standardization Assembly (WTSA) 2024, taking place from October 15-24, 2024, and the India Mobile Congress 2024 (IMC 2024) from October 15-18 at Pragati Maidan in New Delhi, India. The symposium aims to explore and understand local and global developments, cutting-edge research, key architectural principles, and emerging technologies that will shape the 6G landscape.

Objectives of the Symposium

To Chart Future Growth Directions in Wireless Systems

- Exploring the potential advancements and transformative impacts that 6G will bring.

To Explore Cutting-Edge Network Architectures, Protocols, and Technologies

- Investigating the innovations that will form the foundation of 6G networks.

To Identify Opportunities for International R&D Collaboration

- Highlighting potential areas for global cooperation that will drive research and development forward.

Partnerships

This event is made possible through the collaboration of esteemed organizations, whose support has been instrumental in its realization:



Department of Telecommunications (DoT),
Government of India



Department of Science and Technology (DST),
Government of India



ITU WTSA 2024



India Mobile Congress 2024



Bharat 6G Alliance (India)



Telecommunications
Engineering Centre (TEC), India



Telecom Equipment and Services
Export Promotion Council (TEPC)
(India)



Telecom Centres of Excellence
India (TCOE India)



Telecommunications Standards
Development Society, India
(TSDSI) (India)



Voice of Indian Communication
Technology Enterprises (VoICE),
(India)



Cellular Operators Association
of India (COAI)



Indian National Academy of
Engineering (INAE) (India)



IEEE Future Networks



The Royal Swedish Academy of
Engineering Sciences (IVA)
(Sweden)



The Royal Academy of
Engineering (RAEng, UK)



The Canadian Academy of
Engineering (CAE) (Canada)



6G Smart Networks and
Services Industry Association
(SNS-IA) (European Union)



6G Flagship (Finland)



6G Forum (S. Korea)



NextG Alliance of ATIS (USA)



European Telecommunications
Standards Institute (ETSI)
(France)



Next Generation Mobile
Networks (NGMN) Alliance
(Germany)



5G Alliance for Connected
Industries and Automation (5G
ACIA) (Germany)



UK Telecoms Innovation
Network (UKTIN)



European Telecommunications
Standards Institute (ETSI)
(France)

Under Able Guidance of



Shri Jyotiraditya M Scindia
India

Hon'ble Minister of Communications; and Minister of
Development of North Eastern Region
Government Of India



Dr. Pemmasani Chandra Sekhar
India

Hon'ble Minister of State in the Ministry of
Communications and Minister of State in the Ministry
of Rural Development
Government Of India

Organizing Committee:

Organising Chairs



Dr. Neeraj Mittal (IAS)
India

Chairman, Digital Communications
Commission and Secretary
DoT, Government of India



Dr Mallik Tatipamula
United States

Chief Technology Officer
Ericsson Silicon Valley, Santa Clara

Program Convenor



Mr. Anil Kumar Bhardwaj
India

DDG SE
DOT, Government of India



Mr. Rajesh Kumar Pathak
India

Director General
Bharat 5G Alliance

16th October 2024		Venue : Hall No. 5, First floor, Surya, Bharat Mandapam, New Delhi
09:30-10:00	Registration and Networking Tea	
10:00-10:45	<p>Welcome Address Mr. N. G. Subramaniam (NGS), Chair, Bharat 6G Alliance; Chairperson of Tata Elxsi; and Chairperson, Tejas Networks</p> <p>Keynote Address Dr. Neeraj Mittal, Chairman, Digital Communications Commission and Secretary, Department of Telecommunications, Government of India</p> <p>Inaugural Address (Release of Reports, Exchange of MoUs, Launch of Products) Shri Jyotiraditya M Scindia, Hon'ble Minister of Communications; and Minister of Development of North Eastern Region, Government of India</p> <p>Vote of Thanks</p>	
16th October 2024		Venue : Hall No. 5, First Floor, Agni, Bharat Mandapam, New Delhi
SESSION 1 : GLOBAL 6G PROGRAMS (Objective: Global leaders to articulate their national strategies for 6G and focus areas)		
10:45-11:45	<p>Moderator Prof. Bhaskar Ramamurthi, Professor, IIT Madras</p> <p>Speaker Mr. N. G. Subramaniam (NGS), Chair, Bharat 6G Alliance; Chairperson of Tata Elxsi; and Chairperson, Tejas Networks Dr. Magnus Frodigh, VP & Head of Ericsson Research, Sweden Prof. Harald Haas, Professor, University of Cambridge, UK Dr. Venki Ramaswamy, Chief Technologist for Next G Mitre Corporation, USA Prof. Matti Latva-aho, Professor, Oulu University, Finland</p>	
11:45-12:00	Networking Tea	
SESSION 2 : INDUSTRY PANEL: 6G USE CASES (Objective: Industry executives to discuss 6G use cases and enabling technologies)		
12:00-13:00	<p>Moderator Prof. John Cioffi, Professor, Stanford University</p> <p>Speaker Dr. Magnus Ewerbring, CTO APAC, Ericsson Dr. Etienne Chaponniere, VP Technical Standards, Qualcomm Dr. Ulrich Dropmann, Head of Standardization and Industry Environment, Nokia Dr. R K Upadhyay, CEO, CDOT Mr. Raghuvveer B. K., CEO and Cofounder, Nivetti Systems Mr. Jagbir Singh, CTO Vodafone Idea</p>	

13:00-14:00	Networking Tea
SESSION 3 : ACADEMIC PANEL: KEY RESEARCH AREAS (Objective: Academic leaders to discuss to key research areas in 6G)	
14:30 –15:30	Moderator Mr. A. Robert J Ravi, CMD BSNL & MTNL; and DDG, Department of Telecommunications, Government of India Speaker Prof. Rahim Tafazolli, Professor, University of Surrey, UK Prof. Tommy Svensson, Professor, Chalmers University, Sweden Prof. Halim Yanikomeroglu, Professor, Carleton University, Canada Prof. Kiran Kuchi, Professor, IIT Hyderabad and CEO, WiSig Networks Prof. Radha Krishan Ganti, Professor, IIT Madras
15:30-16:00	Networking Tea
16:00-16:30	Keynote Address Prof. Abhay Karandikar, Secretary, Department of Science and Technology, Government of India
SESSION 4 : GLOBAL ACADEMIC RESEARCH COLLABORATIONS IN 6G ERA (Objective: Government funding agencies to discuss international cooperation)	
16:30-17:30	Moderator Prof. Ajit Kumar Chaturvedi, Professor, IIT Kanpur Speaker Prof. Abouzeid Alhussein, Program Director, National Science Foundation (USA). Dr. Ashutosh Dutta, Founding Co-chair, IEEE Future Networks, USA Prof. Nandana Rajatheva, Professor, Oulu University, Finland Prof. Gerard Parr, Chair in Telecommunications Engineering, University of East Anglia, UK Shri Parag Agarwal, DDG(TTDF), Department of Telecommunications, Government of India Prof. Rajesh Sundaesan, Professor, Indian Institute of Science, Bengaluru
17:30-18.30	Visit to Exhibition
18:30 Onwards	Networking Dinner – Hosted by Bharat 6G Alliance (By Invitation only)
19:00-19:15	Keynote Address Dr. Pemmasani Chandra Sekhar, Minister of State in the Ministry of Communications and Minister of State in the Ministry of Rural Development, Government of India

17th October 2024		Venue : Hall No. 5, First Floor, Agni, Bharat Mandapam, New Delhi	
9:30-10:15	Keynote Address Mr. Erik Ekudden, Group CTO, Ericsson		
SESSION 5: STANDARDIZATION PLANS FOR 6G (Objective: Standards leaders to discuss standards roadmap and future directions)			
10:15-11:15	Moderator Ms. Tripti Saxena, Sr. DDG & Head TEC, Government of India Speaker Dr. Issam Toufik, CTO of ETSI and Head of the 3GPP Mobile Competence Centre (MCC) Ms. Anita Doehler, CEO, NGMN Alliance, Germany Mr. Jishnu Aravindakshan, Principal Product Architect, Tejas Networks Mr. Satish Jamadagni, VP and Head of Standards, Reliance Jio Dr. Sreenath Ramanath, Senior Director, Systems R&D, Lekha Wireless Dr. Thomas Basikolo, Program Officer, ITU		
11:15-11:45	Networking Tea		
SESSION 6 : Future Policies Framework and Spectrum Requirements (Objective: To discuss implication on future policy framework & spectrum requirements)			
11:45-12:45	Moderator Chair: Ms. Madhu Arora, Member (Technology), Digital Communications Commission, Government of India Mr. V Christopher, Wireless Advisor, Wireless Planning and Coordination, Government of India Speaker Prof. David Koilpillai, Chair, Spectrum WG, Bharat 6G Alliance Mr. Vinod Kumar, DDG (SRI), Department of Telecommunications, Government of India Dr. Ravi Gandhi, President and Chief of Public Policy & Regulatory, Reliance Jio Mr. Rahul Vatts, CRO, Bharti Airtel Dr. John Giusti, CRO, GSMA Dr. Ed Tiedemann, Senior VP, Qualcomm		
12:45-13:30	Networking Lunch & Visit to Exhibition (Demonstrations by Exhibitors at various Stalls)		

SESSION 7: RESILIENCY AND SUSTAINABILITY ASPECTS OF 6G

(Objective: To discuss enabling technologies for resilient and sustainable 6G networks)

13:30-14:30	<p>Moderator Chair. Shyam Mardikar, CTO, Reliance Jio Mr. Anil Kumar Bhardwaj, DDG SE, Department of Telecommunications, Government of India</p> <p>Speaker Dr. Sudhir Dixit, IEEE CTU WG, Co-Chair & Basic Internet Foundation, Norway Mr. Ashok Kumar DDG (Tech), Department of Telecommunications, Government of India Mr. Jeff White, CTO, Dell Technologies, USA Mr. Rashim Kapoor, EVP Networks, Airtel Prof. Dimitra Simeonidou, Bristol University, UK</p>
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SESSION 8 : GLOBAL ALLIANCES : PROMOTING COLLABORATION AND COOPERATION

(Objective: Leaders from industry alliances to discuss opportunities for global collaboration)

14:30-15:30	<p>Moderator Dr. Magnus Ewerbring, CTO APAC, Ericsson Dr. Kumar Sivarajan, CTO, Tejas Networks</p> <p>Speaker Ms. Devaki Chandramouli, Steering Group Co-Chair, Next G Alliance, USA Dr. Colin Willcock, Chairman, 6GIA Mr. Rajesh Kumar Pathak, Director General, Bharat 6G Alliance Prof. Mike Short, Chair, UK TIN Mr. Mohan Rao Goli, CVP & CTO, Samsung Research Institute - Bangalore Dr. Andreas Muller, General Chair, 5G-ACIA</p>
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CONCLUSION & NEXT STEPS

15:30-16:00	<p>Conference Chairs Dr. Neeraj Mittal, Chairman, Digital Communications Commission and Secretary, Department of Telecommunications, Government of India Dr Mallik Tatipamula, Chief Technology Officer, Ericsson Silicon Valley, Santa Clara, USA</p>
16:00-16:15	Networking Tea
16:15 – 17:00	O-RAN and 6G Initiatives – Poster Sessions

Key Programs at IMC 2024

- Industry Keynotes
- Artificial Intelligence Summit
- Quantum Summit
- Global Regulatory Conference
- Cyber Security Summit
- Electronics Manufacturing Roundtable
- Semiconductor Roundtable
- Clean Tech Summit
- Smart Mobility Summit
- Panel Discussions on 5G use cases
- Panel Discussion on xRan
- Panel Discussion on Cloud and Intelligent Edge
- Panel Discussion on Private Networks
- Panel Discussion on Autonomous Networks
- Panel Discussion on Digital Infrastructure



For further information, please contact

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