



### **Dr. Kyu-Jin Wee- Chairman of APG**

DR. Kyu-Jin Wee was elected as the chairman of the Asia-Pacific Telecommunity (APT) Conference Preparatory Group for the World Radiocommunication Conference 2023 (WRC 2023). Dr. Wee has been participating in WRC events since 1995 as a delegate of Korea and worked to improve the country's rights in using radio waves. He served his first four-year term as the chairman of the preparatory group from 2016 to 2020. He is also a vice-chair and chairman of Working group General aspects of the ITU-R Working Party 5D.

### **Major International Positions**

- 1997 – 1999: Chairman, ITU-R TG8/1 WG4
- 2001 – 2007: Vice-Chairman, ITU-R WP8F
- 2001 – 2003: Chairman, APT Preparatory Group for the Asia Pacific Region for WRC-03 (APG) WP2 2003 : Vice-Chair of Committee 7, WRC 03
- 2003 – 2006: Vice-Chairman of APT Management Committee
- 2004 : Chairman, 3GPP PCG
- 2004 – 2007: Chairman, APT Preparatory Group for the Asia Pacific Region for WRC-07 (APG) WP1 2007 – 2011: Vice Chairman, ITU-R SG5
- 2008 – 2015: Vice-Chairman, APT Preparatory Group for the Asia Pacific Region for WRC (APG) 2009 – 2012: Chairman of APT Management Committee
- 2010 : Chairman of Committee 3, PP-10
- 2012 : Chairman of Committee 2, WTSA-12
- 2012 – 2015: Vice Chairman of CPM
- 2008 – Present: Vice Chairman, ITU-R WP5D
- 2016 – Present: Vice Chairman, ITU-R Radiocommunication Advisory Group (RAG)

### **Awards**

- Awarded Diploma of Recognition by Korea President for outstanding contribution to the International Activities.(2001)
- Awarded Diploma of Recognition by Minister of MIC for outstanding contribution to WRC-97 (1998)
- Awarded Diploma of Recognition by Minister of MOD for the exemplary soldier(1978) - Awarded Diploma of Recognition by Secretary General of Telecommunication Technology Association for outstanding contribution of Standardizing to industry(1997)



**Rajiv Sinha- Principal Advisor, TRAI**

Mr. Rajiv Sinha is Principal Advisor in Telecom Regulatory Authority of India and at present looking after as Secretary TRAI also. In TRAI, he is responsible for all regulatory issues related to Telecommunication and Broadcasting services sector. He is an officer of 1987 batch of Indian Telecommunication Service (ITS) and has over 31 years of experience in various administrative & technical matters related to the field of telecommunications with specialization in Transmission technologies. He has played important role in network planning, project implementation and operations of various telecom networks namely GSM networks, Transmission systems and IT systems. Earlier, he has worked in various capacities in Department of Telecommunications and was involved in framing policies and guidelines for the new emerging technologies like M2M, Cloud services, Net Neutrality and IPV4 to IPV6 transition etc. He initiated the setting up of Indigenous 5G testbed in India in collaboration with premier academic institutes. As a member of Telecom Standards Apex Committee (TSAC) of Telecom Engineering Centre, he was involved in adoption process of various international standards of telecom sector for the country.



**MK Pattnaik- Sr. Deputy Wireless Advisor, Ministry of Communications**

He is presently working as Senior Deputy Wireless Advisor in the Satellite Division of Wireless Planning and Coordination Wing in the Department of Telecommunication, Government of India. He has 25 years of experience in spectrum management and has worked in almost every domain of Spectrum Management including wireless monitoring. He is a Graduate Engineer in Electronics and Telecommunications Engineering and also holds a Post-Graduate Diploma in Public Policy Management. He has relentlessly worked to bring Government closer to the people. Mr. Pattanaik was instrumental in leading a team to develop the necessary spectrum planning and Pan-India frequency deployment plan for private FM Broadcast expansion in 2015. Currently, Mr. Pattanaik is the Co-Chair of APG-23 Study Group 4 on Satellite Related issues, and vice chair of ITU Study Group 3.



**R N Aggarwal, Co-Chairman, IAFI and Former Wireless Advisor to the Government of India and Former Chairman of APG**

Mr. R.N.Agarwal is Co-chairman ITU-APT Foundation of India, Former Wireless Adviser to the Government of India and Former Chairman Radio Regulations Board (RRB) of the ITU. He was elected Member of the RRB from 1998 to 2006 and was elected its Chairman for the years 2000 and 2003. He was awarded ITU Silver Medal for his valuable contributions to the Board. He has been actively involved in international activities since 1974 including those of the ITU and the APT. He was Chairman of many Committees and meetings in various fora of the ITU. He was awarded Diploma of Recognition by the ITU for his outstanding contributions to the Radiocommunication Sector. In capacity of Chairman, APT Conference Preparatory Group for the ITU WRCs for the period 1995-2008, he was awarded the Plaque of Appreciation in recognition of valuable contributions to the activities of the APT.



**Tilak Raj Dua, Director General, TAIPA and Chairman ITU-APT**

The total experience of Mr. Dua accounts to more than 35 years in the telecom sector. His experience includes all facets of telecom be it Product Development, Business Development, Telecom Licensing, Regulatory issues with respect to interconnection / roaming / unified licensing and infrastructure sharing / Mobile Number Portability, Spectrum Management, Spectrum Related Issues Like Spectrum Pricing, Efficient Utilization and Spectrum reframing, finalization of joint ventures, Technical collaboration, Introduction of new product, Launch of cellular services in India and finalization of licence agreements / interconnect agreements etc. Over the years in the industry, Mr. Dua have held prestigious positions as Director in leading telecom companies like Bharti Airtel Ltd., Shyam Telecom Ltd., Cellular Operators Association of India (COAI), Vice Chairman and Global ICT Standardization Forum for India.

Mr. Dua is an engineering graduate with diploma in Business Management and export Marketing.



**Bharat Bhatia- President, ITU-APT Foundation of India**

Mr. Bharat Bhatia has over 45 years of experience in Telecom and ICT policy, regulations and spectrum management. He is the President of ITU-APT Foundation of India and Vice Chairman of the World Wireless Research Forum (WWRF) for the Asia Pacific. Mr. Bhatia also chairs the PPDR working groups under ITU and APT. Earlier he was also the President of TEMA – India’s Telecom Equipment Manufacturers Association and Vice President of ATIS -Association of Telecom Industries of Singapore. Mr. Bhatia was earlier heading the international spectrum team of Motorola Solutions Inc. where he worked for over 20 years. Prior to that, he was a senior regulator with the Indian Government for 22 years as a spectrum regulator and Telecom policy specialist and was actively involved in opening of the Indian telecom to the private sector, including the licensing of first ever GSM metro cellular in India through a beauty contest in 1992. He was also a key architect of India’s first ever National Frequency Allocation Plan (NFAP) in 1981 and the first ever published NFAP in 2000. Mr. Bhatia actively participates in various ITU and APT meetings and has attended all World Radio Conferences during the last 20 years. He was the key originator of ITU World Radio Conference Resolutions on PPDR, which were adopted at WRC-2003 and WRC-2015. Mr. Bharat Bhatia holds a B. E. degree from University of Delhi in Electronics and Telecommunications and is a fellow member of IETE, the Institution of Electronics & Telecommunications Engineers. He did his Foundational Course from Lal Bahadur Shastri National Academy of Administration in 1976.



**Bashir Patel- Global Spectrum & Policy Regulator, ESOA**

Bashir Patel is Inmarsat’s Regional Advisor for the South Asia, Middle East and Africa (SAMEA) region. He is widely recognized as a highly experienced executive in ICT, satellite systems and defence aerospace. He has over 35 years experience in the high tech industry, working mainly in the telecom sector including satellites and defence industries, both in management consulting as well as in regional regulatory policy, business and market development. He has been working with the Governments throughout the regions and launched satellite communications technologies as far back as mid 1980’s. He is a passionate technologist with experience gained from his time spent in advance aerospace projects in BAe Systems, Inmarsat, ICO Global Communications and prior to re-joining Inmarsat in 2013 as the Chief Operating Officer (COO) of the Commonwealth Telecommunications Organisation (CTO), dealing with 54 Commonwealth Govern.



**Dr.PK Jain- Associate Director, ISRO Headquarters**

Dr. P K Jain has been working in ISRO Headquarters, Bangalore as Associate Director for Frequency Management & Satcom Planning. Before this, he was responsible for the implementation of Satcom Policy, capacity allocation & transponders management and Navigation programme. He has also held the responsibility of implementing various Application-Programmes of ISRO like Tele-education, Search and Rescue, DTH based Disaster Warning Dissemination System, etc.

He started his career with National Remote Sensing Centre (ISRO), Hyderabad in 1989 and worked for the design and development of remote sensing satellite earth station communication equipment. As a Project Manager, he contributed for the commissioning of various national and international remote sensing satellite ground stations.

He also worked in Space Applications Centre (ISRO), Ahmedabad for the establishment of C-, Ext. C-, Ku- and Ka-band SATCOM earth stations in the capacity of the Project Manager-System Engineering.

He received two ISRO Team Excellence Awards in 2009 for implementing “Tele-education” and “Disaster Warning and Communication Systems”. He is also the recipient of the IETE – Biman Behari Sen Memorial Award (2010) for distinguished contribution in implementation of various satcom based societal application programmes. He is recipient of D.V. Nirmal & Mangal Sain Award (BES-2012 Award) by Broadcast Engineering Society (India) in recognition of his contribution for outstanding work in broadcasting.

He has published more than 25 papers in various journals & magazines of national and international repute.



**Dr. Laura Roberti- Director for Spectrum & Market Access, Telesat**

She has global responsibility for licensing and authorisations and participates in related ITU-R work.

She has a PhD in Electronic Engineering from the Polytechnic of Turin (Italy) and many years of experience working in the industry and academic/research world. Her experience covers satellite/terrestrial telecommunication systems and spectrum management and engineering. She is the author of several research papers in the area of radio propagation and she has worked for Inmarsat, British Telecom, NASA and Polytechnic of Turin.



**Jitendra Singh- Senior Director Government Affairs(India & South Asia)**

**Qualcomm**

Jitendra Singh is working with Qualcomm since 2009. His responsibilities include interfacing with regulatory and policy making agencies in the region on behalf of Qualcomm. Jitendra has more than 30 years of experience in the field of communications management. Prior to his appointment at Qualcomm he served in the government. He has been actively involved in National Working Groups of the ITU-R in India and has been a key contributor in all the Standards related activities of the Industry. This includes the advocacy and planning of identification of additional spectrum for IMT and mobile broadband at various forums – National as well as Global. He had been an active contributor by introducing a number of papers in ITU-R on behalf of India. He plays a key role in APT region telecom industry coordination activities. He is part of many industry associations. He has created and submitted many spectrum policy related papers in ITU and APT on behalf of India. He also heads GSA India team.



**Pawan Kumar Garg- VicePresident, ITU-APT Foundation of India**

Mr. Pawan Garg is former Wireless Adviser to the Government of India (head of national spectrum management organization) and was internationally elected Member\* of the Radio Regulations Board (RRB) of International Telecommunication Union (ITU), Geneva from 2006 to 2014 (elected as Chairman of the Board for 2013). ITU is the specialized body of UN system for ICT issues.

This specialized ITU Board resolves various issues concerning implementation of ITU Radio Regulations, an international treaty, for planning and use of RF spectrum & satellites globally.

Mr Garg has more than 45 years of experience in spectrum management and planning of various radiocommunication services – both terrestrial as well satellite based services. Also during his term as Wireless Adviser to Govt. of India (2002 – 2008), exponential growth of cellular mobile services took place in India and achieved the critical mass for further large growth.

Mr. Garg has widely traveled since 1980 and represented India on the Governing Council of ITU. He has chaired as well as spoken at large number of national and international conferences in his field and published many papers on related issues.