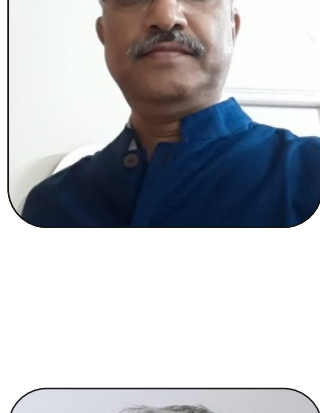




J. S. Deepak - Former Secretary Dot. , Ambassador to UNO-WTO

Mr. J. S. Deepak is Ambassador and Permanent Representative of India to the World Trade Organization, having assumed charge on 1st June, 2017. He joined the Indian Administrative Service (IAS) in 1982. He is an MBA from Indian Institute of Management (IIM), Ahmedabad. He joined as Secretary, Department of Telecom, Government of India on 1 February, 2016. During 2015-16, he worked as Secretary, Department of Electronics & Information Technology (DeitY), responsible for coordinating the Digital India Programme and work related to eGovernance. He has rich experience of working in Government of India, especially in economic Ministries. He worked as Joint Secretary and Additional Secretary in the Department of Commerce for about 6 years. Deepak has also been Chief Negotiator at the WTO and for the RCEP agreement.



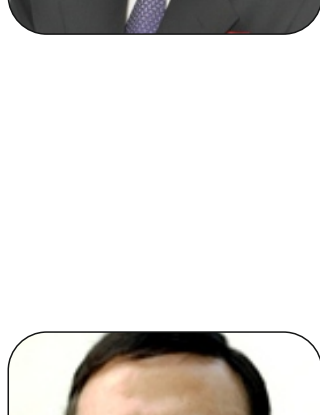
K. Ramchand- Member technology, Department of Telecommunications.

He is an ITS officer of the 1982 batch. He joined DOT HQs recently. He has 36 years of experience in the telecom domain almost in all wings of the department, be it operations, planning, projects, training, regulation and policy. He is well known for developing and implementation of nation wide IT projects in DOT and BSNL like customer care and billing, inter operator billing and ERP. He has experience in planning and installation of Tier 3 data centres. He was involved in launching of BSNL mobile services in 2002. He is a recipient of several awards for outstanding contribution towards IT and Telecom.



U.K. Srivastava- Principle Advisor, Telecom Regulatory Authority of India.

Mr. U. K. Srivastava is looking after telecom networks, spectrum and licensing. He is a graduate in Electronics Engineering and possesses Diploma in Management. He belongs to the 1983 batch of Indian Telecom Service and is trained in transmission technologies, including optical, radio and satellite communications. He has managed various telecom activities including operations, maintenance, training, quality assurance, standardization and policy. He has been a member of various standing committees on satellite communications. He was deputed to ITU to serve in Iraq for two years and at ITU HQ in Geneva for a year and half. He has been associated with various standards development activities of ITU-T and ITU-R and has represented India in various conferences of these organizations. He also served as Vice Chairman of Study group-7 of ITU-R for a period of four years



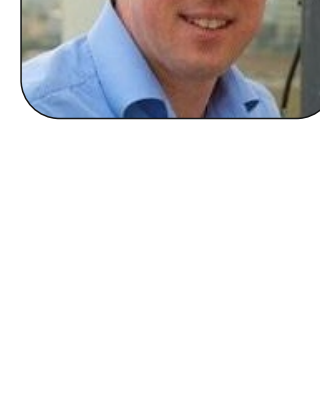
Tilak Raj Dua, Director General, TAIPA and Chairman ITU-APT

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 has held prestigious positions as Director in leading telecom companies like Bharti Airtel Ltd., Shyam Telecom Ltd., Cellular Operators Association of India (COAT), 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.

He has over 43 years of experience in Telecom and ICT policy, regulations and spectrum management. Mr. Bhatia is the founder President of the Core Group of Telecom Industries Association of India (CTIA). Mr. Bhatia currently heads International spectrum and Regulatory team at Motorola Solutions' Government Affairs and leads a global team of Spectrum and regulatory resources in Motorola Solutions. Mr. Bhatia is also the Chair of the Public Safety and Disaster Relief communications -PPDR working group under the ITU-R study group 5D, as well as the Chair of the APT Task Group on -PPDR and Earlier he was also the President of TEMA (Telecom Equipment Manufacturers Association of India) and a Vice President of Association of Telecom Industries of Singapore (ATIS). Mr. Bhatia is an expert on spectrum, ICT Policy, Regulations, public safety and emergency and disaster relief communications. Mr Bhatia works closely with many Asian, European and African governments on issues of Policy and regulations concerning PPDR, Spectrum, ICT technologies and services. Mr. Bhatia has attended all world radio Conferences for last 20 years as well as all meetings of ITU and APT related to mobile services and IMT.



Michael Kraemer - Head of European, Spectrum Strategy Intel Corp.USA

Michael Kraemer is the Chairman of the spectrum working group of ITU-R WP5D as well as chairman of sharing studies at WP5A. At Intel, he is responsible for European Spectrum Strategy in Intel' Technology Advocacy and Spectrum Strategy group (TASS), where he oversees Intel' technical regulatory activities on spectrum strategy in Europe on matters relevant to Intel' wireless products. He works closely with Intel' global public policy team to implement Intel' spectrum strategy in CEPT and ITU-R, with specific focus on 5G, through engagement with industry and regulators to ensure timely and adequate availability of spectrum resources in support of Intel product plans. As part of his participation in these regulatory activities he chairs various working groups within CEPT and ITU-R that focus on technical regulatory conditions for the key spectrum bands for 5G. Before joining Intel, Michael has worked at German mobile network operator E-Plus (now Telefonica) mainly in the CTO Office on spectrum management issues, developing the operators spectrum strategy in coordination with the corporate regulatory team to shape the technical regulatory framework in Europe and internationally, working closely with regulators and representatives from the mobile industry. He holds a Master' Degree in Telecommunications Engineering from University of Duisburg, Germany.



Ms. Jayne Stancavage - Executive Director, Intel.

Jayne Stancavage is the Executive Director of Global Digital Infrastructure Policy for Intel Corporation, responsible for Intel's policies related to digital infrastructure including connectivity (e.g. 5G & Wi-Fi), Artificial Intelligence, Autonomous Driving, Internet of Things, and standards policy. Jayne joined Intel in 2000, focusing on communications policy. In addition to her policy work, she has also worked within Intel business units where she coordinated Intel's internal efforts to embed Wi-Fi capabilities into notebook computer platforms. .



Mr. Michael Tesytlin - Director Engineering, Spectrum Standards, Facebook.

• Director of Engineering, Spectrum and Standards, Facebook Sep 2014 —Present (5Years 11 Months) Washington D.C. Metro Area.
• Engineering Google Nov 2013 - Sep 2014

• VP, Distinguished Member of Technical Staff, Lightsquared May 2006 — Oct 2013 (, 7 years 6 months) Leading development of satellite and terrestrial network infrastructure and user terminal chipsets for 4th generation mobile networks and user terminals. LTE based terrestrial network and Satellite Network based on GMR1-3G and EvDO/EGAL protocols in close cooperation with Qualcomm, Intel/Infineon, ALU and HNS.

• Principal Staff Member, DRS Signal Solution, Inc Apr 2004 - Mar 2006 (2 years)

Director, Engineering, CeLight May 2001 - May 2004 (3 years 1 month)

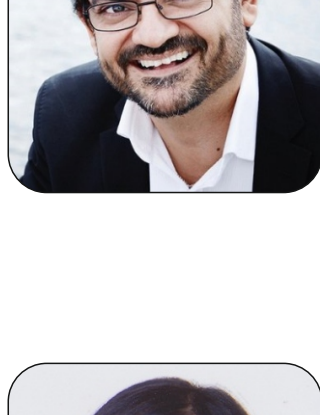
• Senior Program Manager, Hughes Network System Feb 1997 - Jan 2002 (5 years)

• Modem Group Manager, Motorola Jan 1990 — Feb 1997 (7 years 2 months)



Dilip Chenoy, Secretary General, FICCI

Dilip is currently Secretary General of the Federation of Indian Chambers of Commerce and Industry (FICCI). He leads the permanent secretariat of the industry chamber, which is the largest and oldest apex business organisation in India, and a potent voice for policy change. FICCI represents over 2,50,000 members through Member Bodies covering all the States of India. Before joining FICCI, Dilip served as Managing Director & CEO of the National Skill Development Corporation (NSDC). NSDC fosters private sector investment and initiatives in training and skill development. Dilip has also worked in several key industry organizations, including SIAM as its Director General. He was a member of the



Claus Hetting - CEO & Chairman, Wi-Fi NOW

Claus Hetting has worked in the wireless & mobile industries for close 20 years as a business strategist, consultant, and technology architect. Claus is today a well-known Wi-Fi evangelist, consultant, conference organiser, blogger, journalist, analyst, and TV host. Claus Hetting is the creator & host of the Wi-Fi NOW event series.



Prof. Rekha Jain - Professor and Executive Chair, IIM Idea Telecom Centre of Excellence at Indian Institute of Management.

Her research and teaching interest are in Internet Governance, telecom policy and regulation, IT implementation, rural telecom, ICT strategy and management. She has consulted with several leading national and international organizations in areas of research interests such as Telecom Policy and Regulation, ICT Strategy and Management, Spectrum Management, Internet Governance, Information System Implementation and Impact Assessment in the ICT domain. Organizations which she has worked for include Commonwealth Telecom Organization, Panos Institute, World Bank, Department of Telecom, Videsh Sanchar Nigam Limited. Her recent projects have looked at innovations in mobile services, e-Gram service delivery, and incubation in high tech sectors. She has several publications in national and international journals. She is on the editorial board of Journal of Global Information Management (JGIM) and Board Member of several professional organizations. She has been a member of several key national level committees in the telecom and IT sectors and has worked with both international and domestic organizations. She has a Ph.D. from the Indian Institute of Technology, New Delhi, India. She was a recipient of senior Fulbright Fellowship on Telecom Regulation in 1997-98



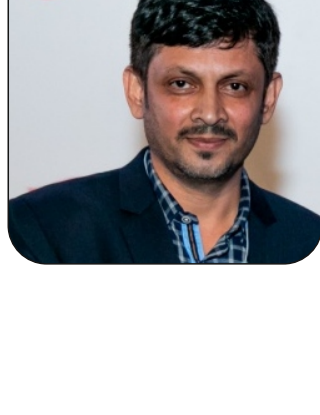
Kishore Babu -Deputy Director General, Standards - R&D Innovation, Ministry of Communications.

Current Positions in International Telecommunications Union (ITU) .Vice Chair, Telecommunications Development Advisory Group (TDAG) of ITU (International Telecommunications Union) —from Asia-Pacific Region. Vice Chair Council Working Group (CWG) Internet, ITU
Previous Positions in ITU and APT Chair, Working Group on Policy, Legal —APT (Asia Pacific Telecommunity) Preparatory Process for ITU PP Conference 2018 Vice Chair, APT Preparatory process for WTDC-17 Chair, Drafting Group for Study Group Questions WTDC 2017



Dr. PK Jain- Associate Director, ISRO Headquarters

Dr. P.K Jain has been working in ISRO Headquarters, Bangalore as Associate Director for satellite communication planning and policy implementation that includes configuration design of the planned communication satellites of ISRO and assigning the space segment capacity to users. Before this, he has worked as Associate Director for the satellite communication & navigation programme at ISRO Headquarters. 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 "ele-education" and "isaster 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 like Tele-education, Telemedicine, Disaster management; establishing remote sensing and satcom ground stations; and development of various satcom subsystems. 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, especially for the development and implementation of the DTH based Disaster Warning Dissemination System.



MPS Alawa- Senior Deputy Wireless Advisor, Department of Telecom

"Currently, he is working as a Senior Deputy Wireless Advisor (International conference) in WPC Wing. He coordinates on various radio-frequency spectrum issues with stakeholders to frame our country views for International bodies, such as, ITU-R, APT etc. He has played important role in formulating National Frequency Allocation Plan-2018. He was involved in drafting Indian contributions to WRC-19 and has also participated in WRC-19 He also worked in Wireless Monitoring Organization, DoT where he was involved in carrying out monitoring of radio-frequency spectrum."



Ms. M Revathi- Senior Wireless Advisor, Department of Telecom

Did Bachelor of Technology (B.Tech) in Electronic and Communications Engineering from Jawaharlal Nehru Technological University, Hyderabad.
Joined Wireless Planning and Coordination (WPC) Wing as a Group A officer in 1996 through Indian Engineering Services (IES) exam. Cadre is IRRS (Indian Radio Regulatory Services).
Did Post Graduate Programme in Public Policy Management from Management Development Institute (MDI), Gurgaon. As part of International component of the programme, completed one module at Sciences Po University, Paris.
Underwent frequency training on repair and maintenance of radio frequency spectrum monitoring equipment at Thales, Cholet, France.
Representing as Frequency Expert from Asia Pacific Region in the Frequency Working Party (FWP) of International Telecommunications Satellite Organisation, Headquarter at Washington, USA
Assisted DoS as spectrum regulatory expert in dealing International arbitration cases at the International Court of Justice, The Hague.
Contributed and attended various meetings on spectrum management at International Telecommunications (ITU) level and also at Asia Pacific Telecommunity (APT) regional level.
Past experience: Radio frequency interference resolution, Spectrum Auctions.



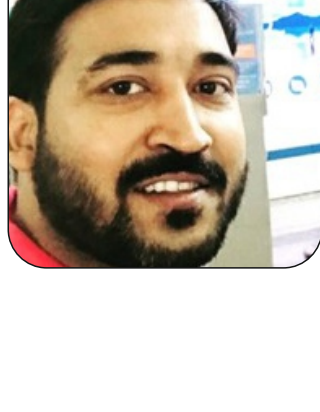
Paramjit Singh Puri- Director and Head Industry Engagement and Membership, Wireless Broadband Alliance

Paramjit Singh Puri is currently working with the Wireless Broadband Alliance Ltd, WBA an International Industry and Trade organization for the Wireless/Unlicensed and Wi-Fi Industry as the Senior Director and Head for Industry Engagement and Membership. The WBA has more than 110 plus members primarily from the Global Telecom/Communication Service providers, Wi-Fi service provider and aggregators, Technology co', OTT players like FB, Google etc. He is a seasoned veteran of the ICT Industry having worked in organizations like AT&T, Cisco, Siemens, Compaq, Epson etc in senior positions including MD of Epson India. He has been promoting and working in the area of Wi-Fi and Unlicensed from the last 12 years and is closely involved with FICCI and interacting with TRAI and DOT in the area of Wi-Fi and Unlicensed spectrum.



N.K. Panda on 1-Head Convergence Business - Sterlite Power & Managing Director, MTCIL (JV - Maharashtra State Transco & Sterlite)

N.K. Panda comes with diverse telecom experience in the enterprise, wireless, wireline data centre, physical connectivity and telecom infrastructure domains. Setting up a business from scratch and solving unmet challenges related to telecom infrastructure in India excite him the most. Having spent his formative years in a locality that lacked basic infrastructure, he was motivated to work towards creating best-in-class telecom infrastructure. According to him, inadequacy of reliable telecom infrastructure is a major bottleneck in data capacity growth in India. "It is an impediment to government initiatives such as Digital India and the Smart Cities Mission. However, this challenge can be mitigated through out-of-the-box ideas such as leveraging the existing infrastructure of utilities. I am excited to be that change agent spearheading this movement," he says. Panda specialises in green-field telecom ventures and currently heads the convergence business at Sterlite Power. The company aims to build a pan-India, reliable and best-in-class open fibre network by utilising power utility assets. He also serves as managing director and board member of Maharashtra Transmission Communication Infrastructure Limited, a joint venture between a Maharashtra state transco and Sterlite. His passion to explore and implement new businesses has led to such organisations such as Reliance Jio, Telenor and Reliance Communications to strategise their businesses. He feels data consumption will increase rapidly in the future, with an average Indian consuming 100 GB to 1,000 GB data per month. Technologies such as IoT, M2M, AI, 3D printing and AR/VR will fuel the transformation to a hyperconnected world. He counts his first job at Hindustan Zinc Limited as his most memorable assignment. During this job, he was instrumental in the roll-out of a wide area network, high speed internet connectivity, enterprise mailing solutions, security solutions and the deployment of SAP, "his opportunity laid the foundation for entering in a VUCA (volatility, uncertainty, complexity and ambiguity) world, which has become my forte." He is also a computer engineer from Birla Institute of Technology, Mesra, and holds an MBA from FMS Delhi. He has also completed a general management development programme from SJSOM, IIT Mumbai.



Sandeep Agrawal- Product Manager (Owner) C-DOT

He is working as a TEAM LEADER at C-DOT Bangalore. He joined C-DOT in 2008 after passing out from NIT Bhopal. He has 12+ years of experience on various telecom projects focusing on strategic and rural needs of India. He has worked on MAX-NG project to migrate legacy C-DOT switching technology to next generation (NGN) technology in BSNL network. He is responsible for overall Wi-Fi & Unlicensed band product development strategy in his present role in C-DOT.

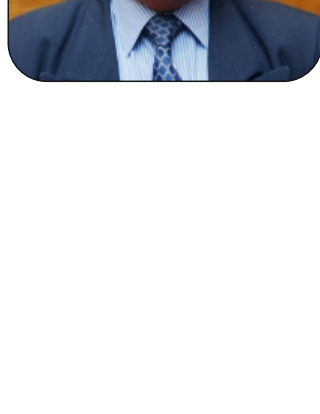
SA forum is actively involved in the standardization of Wi-Fi & Rural Broadband. He is a member of TSDSI-IEEE-SA forum and Spectrum sub-committee of 5G HLF. He is Chair of P2872 to build "interoperable and Secure Public Wi-Fi Infrastructure and architecture" He is also Vice Chair of P2061 to build "rchitecture for Low mobility Energy Efficient network for Affordable broadband Access" He is contributing in the IEEE 802.11bc enhanced broadcast group for Emergency Alert service standardisation. He is also Chair of IoT Work Group and co-lead of Wi-Fi sensing group in WBA (Wireless Broadband Alliance).



Shri Himanshu Motial - Reginal Voice President, Asia Pac, Cambium Network.

Wireless broadband solutions provider Cambium Networks has appointed Himanshu Motial as vice president of sales for the Asia Pacific region. Most recently, Motial was director of Asia Pacific for Microsoft's Operator Cloud Services division, based in Singapore. Highlights of his tenure at Microsoft include leading emerging markets strategy for the Productivity Solutions business unit, and creating new markets for HP, a partner, and Microsoft by bringing products and business models to the region. Before Microsoft, Motial also held business development and sales positions at Lucent, HP and Wipro in India.

Cambium Networks has expanded customer relationships across Asia Pacific in various sectors, including government, industrial, enterprise and residential," said Bryan Sheppeck, SVP Global Sales, Cambium Networks. Headquartered outside Chicago and with R&D centers in the U.S., Ashburton, U.K. and Bangalore, India, Cambium Networks has over four million of its access and backhaul radios deployed in thousands of demanding networks in more than 150 countries.



SATYA N. GUPTA, CEng, DIISc, DRP IRSE (VR)

An International expert in NGN technologies, Regulation, Interconnection and Broadband policy with 40 years experience in all aspects of Telecom and IT, including 25 years with Govt. and Regulator, Satya N. Gupta is publicly recognized as an Analyst, Trainer, Advocate and Advisor on ICT related Policies, Projects and Business. Globally known as "NGN guru" he is a author and coach for telecommunication technologies, policy and regulation and a Govt. Affairs and Regulatory advocate. Author of " Everything over IP- All you want to know about NGN" and "andwidth Factory- Last mile as a Managed Service". He also authored a concept called "ob Factory- Converting Unemployment into Intrapreneurship" which is being used to create jobs in rural India. His recent research-based work, "ong Tail- Walking the Extra Mile on Rural Broadband ICT" brings out the innovative business models to Make it Happen. A public, keynote speaker on most of the best events in India and Founder of NGN Forum in India to spread awareness about NGN all-over. He is also Chairman of India IPv6 Forum and first from South Asia to be inducted in the coveted New Internet Hall of Fame by Global IPV6 Council. He is triple master in Electronic Technology, ICT Management and Telecom Regulation and Policy. He was inducted as the youngest Life Fellow of IETE (1991) and conferred Chartered Engineer in 1996. In addition, he served as the member of EC at IETE, Secunderabad in 90s and also invited member of National Council since 2000s. Post Graduation in Communications in 1981 and Ministry of Railways in 1983, through Indian Engg. Services after Joint Ministry in Electronics and Communication from 11Sc, Bangalore, the premium technical institute of India. During 25 years with Government he worked in various capacities in different departments of Govt. Some of these beings Senior Project Manager (passenger reservations computerization) in Mumbai area, Prof. of Telecom Training at IRISSET Secunderabad, Project Director (GM) of IRCON International, OFC Project, Principal Advisor (Additional Secretary to Govt. of India) TRAI (In-charge of Converged Network, Broadband, NLD, ILD and Interconnection)



Bharat Gupta Head of Corporate Affairs, Sterlite Technologies Ltd

Bharat Gupta has recently joined Sterlite Technologies Ltd as Head of Corporate Affairs. His focus areas being Spectrum, New Technologies, Defence and Internal Security. He has more than 25 years of experience in Telecom & ICT. His last assignment prior to joining STL was with Ministry of Defence where he was handling issues related to Spectrum and Defence Band. He has also worked at TRAI and had the opportunity to author consultation papers/Recommendations on Data Privacy, Local Telecom Equipment Manufacturing etc. He has also authored papers on Exploitation of EM Spectrum for Armed Forces, Utilisation of Unlicensed Spectrum for Defence etc.