

Profile



- **Name** | Chaesub LEE
- **Date of Birth** | 6th March 1960
- **Nationality** | Republic of Korea
- **Marital Status** | Married with 1 Son and 1 Daughter
- **Education**
Ph.D Multimedia Engineering, Hanbat University , Korea, 2014
MA Electronics Engineering, Konkuk University, Korea, 1985
BA Electronics Engineering, Konkuk University, Korea, 1983
- **Expertise**
Network Architectures and Design for Hyper-Connected Smart Networks(5G, IoT, Cloud Computing, Data Management)

Professional Career

- 2015 - Present** | Director, Telecommunication Standardization Bureau (TSB), ITU
- 2012 - 2014** | Research Consultant, Institute for IT Convergence, KAIST
- 2004 - 2012** | Research Consultant, ETRI
- 1995 - 2004** | Director, Broadband Networks Development, Korea Telecom
- 1993 - 1994** | Research Engineer, B-ISDN National Development Project, Republic of Korea
- 1986 - 1992** | Research Engineer, Network Planning and Development of N-ISDN, R&D Group, Korea Telecom

ITU Standardization Related Activities

- 2015 - Present** | Director, Telecommunication Standardization Bureau (TSB), ITU
- 2012** | Vice-Chairman, Committee 3 (Working Methods of ITU-T), WTSA-12
- 2009 - 2014** | Chairman, ITU-T Study Group 13, NGN-JCA and IPTV-JCA(JCA: Joint Coordination Activity)
- 2006 - 2007** | Vice-Chairman, ITU-T Focus Group on IPTV (FG IPTV)
- 2004 - 2005** | Chairman, ITU-T Focus Group on NGN (FG NGN)
- 2001 - 2008** | Chairman, ITU-T Working Party 2 / 13 (Network Architecture Area)
- 2001 - 2008** | Vice-Chairman, ITU-T Study Group 13 (NGN)
- 1999 - 2000** | Chairman, Working Party 1 / 13 (Network Architecture Area), ITU-T SG13
- 1997 - 1998** | Rapporteur, Q 2 / 13 (GII and Network Architecture related Question)
- 1992 - 1996** | Editor, Interworking related issues, ITU-T SG13 (I.500 Series)
- 1987 - 1991** | Member of Korean Delegation to ITU CCITT SG VIII and SG XVIII



Dr. Chaesub LEE

Republic of Korea

Candidate for Director of
ITU Telecommunication Standardization Bureau

“Standards for a Better Trusted World”

Achievements During the 1st Term as TSB Director 2015-2017



“Connecting the World” is the core vision of the International Telecommunication Union (ITU). The Union will continue its efforts to support still unconnected people, and to further improve connectivity around the world through Telecommunication / ICT standards as an enabler. The Telecommunication Standardization Bureau (TSB) of ITU, as a standard development platform of the Union, plays an important role in making the world better connected.

My vision for TSB is “**Standards for a Better Trusted World**” and I have successfully created trusted standard development framework during my first term as Director of TSB. In light of this success, I am certain that TSB should put more efforts to strengthen its roles and functions.

Commitment

Developing Standards which Build Trusted Infrastructures and Services for:

- Integrated very high speed broadband transport, 5G & fixed mobile convergence
- Operation, provision and management of comprehensive networks and services
- Trustworthy quality and security as well as safe living in social-cyber-physical space
- Smart sustainable cities, environments and circular economy including IoT and data
- Enhanced / future voice and video including over the non-broadcasting environment
- Economic and policy aspects of Telecommunication / ICT and its eco-system

Strengthening Trusted Collaboration and Harmonization with:

- Standard Development Organizations (SDOs) and relevant entities (fora & consortia)
- Various verticals (ITS, health, education, agriculture, etc.), academia, research institutes, and SMEs as well
- Developing countries through bridging the standardization gap and national standardization secretariat program

International Standards Development

- 617 Recommendations approved by ITU-T Study Groups
- 44 Technical Reports produced by ITU-T Study Groups and Focus Groups
- Broadband network developments : 100G OTN, G.fast, etc.
- Enhancing network capabilities of cloud computing, Software Defined Networking (SDN) and virtualization of networks
- Emerging new network capabilities : Non-radio aspects of IMT 2020 / 5G and Network Slicing
- Enhancing media capabilities : H.265 (2017 Primetime Emmy Engineering Award)
- Emerging services : Digital financial services, e-health / education, immersive life experience
- Enhancing Infrastructures and Environment : IoT, Smart City (KPIs), Circular economy and EMC / EMF
- Improving common capabilities : Security (IoT and Vehicle), QoS / QoE on video services
- Supporting economic, policy, regulatory and operational aspects : OTT, global roaming

Stronger Outreach and Collaboration

- International Organizations - WMO, ICAO, IMO, WHO, CICR, WTO, etc.
- Standard Organizations - World Standard Cooperation (WSC): ITU, IEC and ISO
 - Global Standards Collaboration (GSC): ATIS, ARIB, CCSA, ETSI, IEEE-SA, TIA, TSDSI, TTA, TTC
 - ANSI, CEN&CENELEC, 3GPP, oneM2M, OCF, etc.
- Regional Telecommunication Organizations - APT, ATU, AICTO, CEPT, CITEL, COMTELCA, CTU, ETSI, LAS, and RCC
- Industry Leaders - Global CTO meeting (ITU Telecom World 2015 / 2016 / 2017)
 - China, Japan, Korea (CJK) CTO meetings
 - Silicon valley CTO and CxO meetings
- Academia Members - ITU Kaleidoscope Academic Conference
 - Argentina academia members (Oct 2017)
 - Mexico academia members (Aug 2016)
 - Uzbekistan academia members (Apr 2016)

New Initiatives

- Active Interaction with Global ICT leaders - High-levels and global CTOs at ITU Telecom World 2017
 - Global AI Leaders at AI for Good Global Summit (2017)
- Regional CTO-level Collaboration - CJK CTOs and Silicon Valley CTOs meetings
- Launched ‘Smart ABC’ (Artificial Intelligence, Banking and Cities) Program (2017)
- Launched ‘ITU Journal : ICT Discoveries’ (2017)