

Candidate for ITU-T SG16 Chairman

Biographical Profile

Name : Dr. Seong-Ho Jeong
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PERSONAL

Family Name : JEONG
First Name : Seong-Ho
Nationality : Korea (Republic of)
Marital status : Married
Languages : English and Korean (mother tongue)



STUDIES

1996.03~2000.12: Ph.D., School of Electrical and Computer Engineering, Georgia Institute of Technology (Georgia Tech), Atlanta, USA
1988.03~1990.02: M.S., Department of Electronics Engineering, Hanyang University, Seoul, Korea
1984.03~1988.02: B.S., Department of Electronics Engineering, Hanyang University, Seoul, Korea (Ranked 1st)

MAJOR ACTIVITIES & ACHIEVEMENTS

2001.09~Present: Full Professor, Chair, Dept. of Information and Communications Engineering, Hankuk University of Foreign Studies, Korea

- 2004.01~Present: Chairman, Korea ITU-T SG16 Mirror Committee
- 2005.01~Present: Chairman, OSIA (Open Standards and Internet Association) QoS TG
- 2011.01~Present: Executive Director, Korean Institute of Communications and Information Sciences
- 2013.03~2015.02: Vice President, Korean Institute of Information Scientists and Engineers
- 2014.01~Present: Vice President, OSIA (Open Standards and Internet Association)
- 2013.01~2014.01: Organizing Chair, International Conference on Big Data and Smart Computing (BigComp2014) sponsored by IEEE
- 2016.03~Present: General Chair, International Conference on Information Networking (ICOIN2017) sponsored by IEEE
- 2014.03~Present: Vice Chairman, TTA PG425 (VLC Convergence Communication)
- 2015.09~Present: Vice Dean, College of Engineering, Hankuk University of Foreign Studies, Korea
- 2016.03~Present: President, Information Communications Society, Korean Institute of Information Scientists and Engineers
- 2016.03~Present: Executive Director, Korea ITS (Intelligent Transport Systems) Institute
- 2016.03~Present: Executive Director, Korean Institute of Information Scientists and Engineers
- 1990.02~2001.08: Senior Researcher, Electronics and Telecommunications Research Institute (ETRI), Korea
- 1998.06~1998.12: Researcher, Bell Communications Research, USA
- 2006.01~2007.12: Vice Chairman, TTA PG206 (Signaling Protocols and Mechanisms)
- 2006.09~2007.02: Invited Researcher, Electronics and Telecommunications Research Institute (ETRI), Korea
- 2007.09~2008.08: Visiting Professor, University of California, Irvine, USA
- 2010.01~2010.12: Chairman, Communications Networks Committee, Korean Institute of Communications and Information Sciences
- 2011.01~2015.10: Chair, Technical Program Committee of International Conferences: ICUFN2011 (Ubiquitous and Future Networks), ICOIN2012, ICTC2013 (ICT Convergence), ICTC2014, ICTC2015 Sponsored by IEEE and IEICE
- 2013.01~2014.12: Advisory Committee Member, Electronics and Telecommunications Research Institute (ETRI), Korea

2005.02~2008.11: Member of Korea ITU-T SG11 Mirror Committee
2007.01~Present: Member of Korea ITU Steering Committee
2008.02~Present: Member of Korea Preparatory Group for WTSAs (WTSA-08/12/16)
2009.10~Present: Member of Korea ITU IPTV Standardization Group
2011.03~Present: Member of ISCoK for Joint Collaboration of ITU-T and ISO/IEC JTC1

INTERNATIONAL STANDARDIZATION RELATED EXPERIENCE

2009.01~Present: Vice Chairman, ITU-T SG16 (Multimedia)
2013.01~Present: Chairman, ITU-T SG16 WP2 (Multimedia Services and Accessibility)
2004.01~Present: Korean Head of Delegation (HoD) of ITU-T SG16
2009.01~2012.12: Chairman, ITU-T SG16 WP2 (Applications and Systems)
2003.01~2004.12: Rapporteur, ITU-T SG16 Q.F (Quality of Service (QoS) and End-to-End Performance in Multimedia Systems)
2007.01~2008.12: Rapporteur, ITU-T SG16 Q.4 (Advanced multimedia communication service features on top of the ITU-T defined multimedia system platforms)
2005.01~2008.12: Rapporteur, ITU-T SG16 Q.24 (Quality of Service and End-to-end Performance in Multimedia Systems)
2009.01~2012.12: Rapporteur, ITU-T SG16 Q.4 (Advanced functions for H.300-series systems and beyond)
2014.01~2016.06: Rapporteur, a.i., ITU-T SG16 Q.27 (Vehicle gateway platform for telecommunication/ITS services/applications)
2013.01~2013.10: Chair, ITU Workshop on Making Media Accessible to all: the options and the economics
2002.01~2004.03: ITU-T SG16 Editor for H.360 (An architecture for end-to-end QoS control and signalling)
2004.01~2006.05: ITU-T SG16 Editor for H.361 (End-to-end quality of service (QoS) and service priority signalling in H.323 systems)
2008.01~2010.09: ITU-T SG16 Editor for H.362 (A framework for adaptive end-to-end QoS control based on variable bit-rate codecs in wireless networks)
2009.01~2011.03: ITU-T SG16 Editor for HSTP-AMSR (Advanced Multimedia Systems (AMS) Requirements)

2009.01~2010.07: ITU-T SG16 Editor for H.350 Sub-series Implementor's Guide
2009.01~2012.12: ITU-T SG13 Editor for Y.QMF (QoE Management Framework)
2008.01~2011.03: IETF NSIS WG Editor for RFC5980 (NSIS Protocol Operation in Mobile Environments)
2013.01~Present: ITU-T SG16 Editor for F.CCNMMS (Requirements and architecture for CCN-based mobile multimedia services)
2013.01~Present: ITU-T SG16 Editor for H.EMQ (A cooperative architecture for enhanced multimedia QoS/QoE)
2014.07~Present: ITU-T CITS (Collaboration on ITS) Member
2016.02~Present: Korean Delegate of ITU-T TSAG

SUMMARY

Prof. Seong-Ho Jeong received his Ph.D. degree in Electrical and Computer Engineering from Georgia Institute of Technology (Georgia Tech), Atlanta, USA. From 1990 to 2001, he worked for Electronics and Telecommunications Research Institute (ETRI) in Korea as Senior Researcher to develop and standardize broadband communications and networking technologies. He was with Georgia Tech Communications Systems Center for research on broadband and IP core technologies, voice over IP, quality of service, communications systems, multi-protocol label switching from 1997 to 2000. He was also with Bell Communications Research in USA to work on voice over IP and wireless ATM in 1998. He worked as Invited Researcher from Sept. 2006 to Feb. 2007 and served as Advisory Committee Member from 2013 to 2014 in Electronics and Telecommunications Research Institute.

He has been actively participating in ITU-T Study Group 16 for developing standards on multimedia systems and applications since 2002. He has been serving as Vice Chairman of ITU-T SG16 since 2009 and Chairman of ITU-T SG16 WP2 (Multimedia Services and Accessibility) since 2013. From 2009 to 2012, he also served as Chairman of ITU-T SG16 WP2 (Applications and Systems). He served as Rapporteur of ITU-T SG16 Q.F (Quality of Service (QoS) and End-to-End Performance in Multimedia Systems) from 2003 to 2004 and Rapporteur of ITU-T SG16 Q.24 (Quality of Service and End-to-End Performance in Multimedia Systems) from 2005 to 2008 and contributed to produce key Recommendations

on application-level QoS architecture and mechanisms for multimedia systems and services.

From 2007 to 2008, he served as Rapporteur of ITU-T SG16 Q.4 (Advanced multimedia communication service features on top of the ITU-T defined multimedia system platforms). He also served as Rapporteur of ITU-T SG16 Q.4 (Advanced functions for H.300-series systems and beyond) from 2009 to 2012 and Rapporteur a.i., of ITU-T SG16 Q.27 (Vehicle gateway platform for telecommunication/ITS services/applications) from 2014 to 2016. In addition, he has been serving as Editor of various Recommendations on QoS/QoE, multimedia systems, mobile multimedia services in ITU-T SG16 and ITU-T SG13 since 2002. He has also been serving as Korean Head of Delegation (HoD) of ITU-T SG16 and Chairman of Korea ITU-T SG16 Mirror Committee since 2004.

From 2003 to 2011, he actively participated in Internet Engineering Task Force (IETF). In particular, he was a major contributor to standardization on QoS signalling in the mobile environment within IETF NSIS (Next Steps in Signalling) Working Group. He also contributed to 3GPP SA (Service & Systems Aspects) in 2011. Since 1990, he has been involved in standardization at TTA (Telecommunications Technology Association) where he served as Vice Chairman of TTA PG206 (Signaling) Standards Group in 2006 and 2007, and he is currently serving as Vice Chairman of TTA PG425 (VLC Convergence Communication) Standards Group. He also participated in standardization on mobile systems and IPTV in various TTA Standards Project Groups. He is currently Vice President of OSIA (Open Standards and Internet Association) in Korea and serving as Chairman of OSIA QoS Task Group.

From 2007 to 2008, he was with University of California, Irvine, USA, as Visiting Professor to work on multimedia transmission over wireless/mobile networks, in particular, multimedia service quality enhancement in wireless networks and mobile IPTV.

He was Vice President of Korean Institute of Information Scientists and Engineers from 2013 to 2015. He is currently Executive Director of Korean Institute of Communications and Information Sciences. He is also Executive Director of Korean Institute of Information Scientists and Engineers as well as Korea ITS (Intelligent Transport Systems) Institute. He served as Organizing Chair of International Conference on Big Data and Smart Computing (BigComp2014) sponsored by IEEE and is serving as General Chair of International

Conference on Information Networking (ICOIN2017) sponsored by IEEE. He also served as Chair of Technical Program Committee for various international conferences including ICUFN2011 (Ubiquitous and Future Networks), ICOIN2012 (Information Networking), ICTC2013 (ICT Convergence), ICTC2014, and ICTC2015 sponsored by IEEE and IEICE. He was Technical Program Committee Member of the ITU Kaleidoscope event from 2010 to 2011.

He received various achievement awards from the President of Korean Institute of Communications and Information Sciences in 2010, 2013, 2014, and 2015, Korean Institute of Information Scientists and Engineers in 2015, Open Standards and Internet Association in 2014, and Telecommunications Technology Association in 2010.

He is currently Full Professor and Chair of Department of Information and Communications Engineering at Hankuk University of Foreign Studies (HUFS). He is also Vice Dean of HUFS. He has been working on various industry/government projects as Principal Investigator in the areas of multimedia communications, wireless/mobile networks, advanced multimedia systems, QoS/QoE, 5G/future networks, cross-layer design, networked robots, signalling, CCN/CDN, D2D communications, mobile multimedia applications & services. He has many journal/conference publications including SCI/Scopus/EI-indexed papers, patents, and standards contributions in the areas of multimedia systems, technologies, and services.