Candidate for ITU-T SG11 Vice-chairman Biographical profile

Name   : SHIN-GAK KANG
Affiliation Name   : Electronics and Telecommunications Research Institute
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PERSONAL

Family Name   : KANG
First Name   : SHIN-GAK
Date of birth : 15 October 1963
Nationality   : Korea (Republic of)
Marital status : Married
Languages   : Korean (mother tongue) and English

STUDIES

1980.03-1984.12	B.S., Chungnam National University (Daejeon, Korea)
1985.03-1987.08	M.S., Chungnam National University (Daejeon, Korea)
1992.03-1998.02	Ph.D., Chungnam National University (Daejeon, Korea)
2014.07-2015.07	Visiting Scholar (Electrical Engineering Dept.), Univ. of Sanjose State University, CA, USA

MAJOR ACTIVITIES & ACHIEVEMENTS

o PROFESSIONAL EXPERIENCE

1995.12	Professional Engineer of Information and Communication Technology, KOREA
1997.11-1998.11	Principal Member of Engineering Staff of Europe branch office, ETRI

2004.07-2014.12	Special Fellow on ICT Standardization in ETRI
1984.03-present	Principal Researcher of Electronics and Telecommunications Research Institute (ETRI) - Consecutively filled various posts in ETRI as a Team Leader, Director in the area of Information and Communication Technology
2004.01-present	Vice-Chairman of TC2 (Wired communication and transport Technical Committee of TTA, Rep. of Korea
2008.03-present	Adjunct Professor, Department of Information and Communication Network Technology, University of Science and Technology (UST)
2011.01-present	Chairman of IPTV Special Group of RRA, Rep. of Korea
2013.01-present	Chairman of ITU-T SG11 (Signalling, Testing Specifications) Korean Mirror Committee
2014.06-present	Chairman of Streering Committee of Korea Agriculture and ICT Convergence Standard (KAICS) Forum
2015.08-present	Chairman of JTC1/SC6 (Telecommunications & Information Exchange bet. Systems) Korean Mirror Committee
2016.04-present	Chairman of PG219 (IPTV/Digital Signage Project Group) of TTA

o AWARDS

Apr. 2001	Presidential citation
Dec. 2005	Lifetime achievement award from Telecommunications Technology Association
Jan. 2006	Lifetime achievement award from ETRI
Dec. 2006	Excellence award for Korea ITU Committee Standardization activity from RRA (National Radio Research Agency)
Dec. 2007	Commendation for National Security from NIS (National Intelligence Service)
Dec. 2007	Commendation from Minister of Ministry of Information Communication

Dec. 2008	Commendation from Minister of Ministry of Education, Science and Technology
Dec. 2011	Commendation for Excellent Member of Korea ITU Committee from RRA
Oct. 2012	Commendation from Minister of Ministry of Knowledge Economy
Dec. 2013	Excellence award from Technical Assembly of TTA
Nov. 2014	Lifetime achievement award from KICS (Korean Institute of Communications and Information Science)
July 2015	IEC 1906 Awards - Expert of ISO/IEC JTC1, Information Technology
Dec. 2015	Special Awards from KATS (Korean Agency for Technology and Standards)

INTERNATIONAL STANDARDIZATION RELATED EXPERIENCE

o **The International Telecommunication Union (ITU)**

- Participating in various ITU-T meetings of Study Groups, Focus Groups, GSIs since 1988
  - Serving as a Q.13 Rapporteur of the ITU-T SG7 (1997~2000)
  - Serving as a Q.1 Rapporteur of the ITU-T SG17 (2001~2008)
  - Serving as a Q.15 Rapporteur of the ITU-T SG11 (2008~2012)
  - Serving as a WG 4 Chair of the ITU-T FG-IPTV in 2007
  - Serving as a Q.19 Associate Rapporteur of the ITU-T SG13 (2008~2012)
  - Liaison Rapporteur to ISO/IEC JTC1/SC6 of the ITU-T SG13 (2008~2016)
  - Serving as a Convener of Correspondence Group on Future Networks collaboration between ITU-T SG13 and JTC1/SC6 (2011~2012)
  - Serving as a Vice-Chair of the ITU-T SG11 (2013~Present)
  - Serving as a Chair of the ITU-T SG11/WP3 (2013~Present)
  - Serving as a Q.9 Rapporteur of the ITU-T SG11 (2013~Present)
  - Serving as a Q.14 Associate Rapporteur of the ITU-T SG16 (2013~Present)
- Participation at various meetings of regional standardization activities such as CJK collaboration group, and ASTAP, etc.

o ISO/IEC JTC 1: Information Technology

- Participation at meetings of the JTC1/SC6, since 1989
- Serving as a Rapporteur on Multicast issues of the JTC1/SC6 (2003~2004)
- Serving as a Convener of the JTC1/SC6/WG7 (2004~Present)
- Serving as a Member of the IEC SG9 (2015~Present)

SUMMARY

Shin-Gak KANG received B.S., M.S., and Ph.D. degrees in electronics engineering and information communications from Chungnam National University, Daejeon, Korea in 1984, 1987, and 1998, respectively. He joined ETRI in 1984 and is currently Principal Researcher in Infrastructure Standard Research Section of Protocol Engineering Center. He was worked in Electrical Engineering Department of Sanjose State University of CA, USA as a Visiting Scholar for one year from July 2014. Also, he has been working as an Adjunct Professor at Department of Information and Communication Network Technology, University of Science and Technology (UST) from March 2008.

He has actively participating in many International Standards Bodies such as ITU-T SG 7, SG 17, SG 11, SG 13, SG 16, SG 20, FG-IPTV, JTC 1/SC 6 with a various position such as Chair, Vice-Chair, Rapporteur, Convener, Editor, and major Contributor since his first joining to ITU-T SG 8 meeting in 1988. His major work function is to develop specifications and its standardization in global as well as domestic SDOs for last 28 years. He has been developed more than thirty ITU-T Recommendations and ISO/IEC International Standards as an Editor on various ICT issues since 1988. He is actively participating in many national committees and task force groups for ICT standardization and giving consultation to Government officials and industry on ICT regulation and political issues as well as technical issues. He is also serving as a Co-Chair of steering committee of KAICS (Korea Agriculture and ICT Convergence Standard) Forum since establishment of the Forum in 2014.

His current research interests include multicast multimedia communication, distributed service networking, smart network, Managed P2P, service overlay network, information centric network, IPTV/Smart TV, digital signage, future networks and 5G/IMT-2020.