

## Profile of Yong Woo LEE, Ph.D., Professor of University of Seoul

Yong Woo LEE has been a professor at the school of Electrical and Computer Engineering (ECE), the University of Seoul, Korea since 1999. He received his Ph.D. degree in Computer Science from the Dept. of Computer Science at the University of Edinburgh, United Kingdom, with the British Foreign Minister Scholarship, the Cray Supercomputer Scholarship, the Outstanding Researcher Award from the Korean Ministry of Science Technology and the Best Researcher Award from Korea Institute of Science and Technology. He received his Bachelor of Engineering degree in Electrical Engineering from Seoul National University, Korea in 1981.

Before joining the University of Seoul, he worked as a senior research scientist at Korea Institute of Science and Technology (KIST) and Korea Advanced Institute of Science and Technology (KAIST) which was operated under the Ministry of Science and Technology, Korea, during 1982-1998, where he received the Best Researcher Awards in 1988 and 1989, respectively. He worked as a principal researcher at the organization of Korea Education and Research Information Service (KERIS) under the Ministry of Education, Korea, during 1998-1999. He worked as an international engineer at Schlumberger Technical Services Inc. during 1981.

He has been the chairman of the Korean National Standard Committee for International Standard Organization (ISO) JTC1/SC22 since 2008, supported by the Ministry of Knowledge Economy, Korea and the Ministry of Science and ICT, Korea. He has been leading the world ISO Linux Standard Group. He was the chairman of the Academic Activity Board of Directors and the Vice-president at Korean Society of Internet Information (KSII). He was the president of the Institute of Information Technology in the University of Seoul from 2005 to 2007. Since 2003, as the chairman, he has been leading the Seoul Grid Center which developed its own supercomputer which was ranked 392th in the world ranking in 2003 at the world famous, TOP 500 Supercomputer Site. He was the member of National Board of Chairs for Grid computing in Korea. He was the advisory chair of the IARIA Cloud Computing 2106, 2105, 2014, 2013, 2012, 2011 and 2010 Conference and a steering committee member from 2011 until now. He was also the panel chair two times and the panelist several times there. He was the founder of IARIA Cloud Computing Conference. He gave a lecture in the tutorials in IARIA Cloud Computing 2016. He presented research papers in the IARIA Cloud Computing 2018, 2017, 2016, 2015, 2014, 2013, 2012, 2011 and 2010 Conference. He got the best research paper awards two times in IARIA Cloud Computing Conferences. He has been a member of the program committee of the IARIA Cloud Computing conference from 2010 till now.

He was the chair of the panel committee, a panelist and a member of the program committee at the First IEEE International Conference on Cloud Computing (CLOUD-I 2009) jointly held with IEEE ICWS/Service Computing at Los Angeles, U.S.A. in July 6-10, 2009 and the chair of the panel Committee, a panelist and a member of the program committee at the Second IEEE International Conference on Cloud Computing (CLOUD-II 2009) jointly held with IEEE ICWS/Service Computing at Bangalore, India during September 21-25, 2009 and the member of program committee at the Third IEEE International Conference on Cloud Computing jointly held with IEEE ICWS/Service Computing at Miami, U.S.A. in July 5-10, 2010. He gave a Keynote speech and panel talk as a panelist in the IEEE APSCC (Asia Pacific Service Computing Conference) 2011 which was held during December 6-10 in Hangzhou, China. He also gave many other keynote speeches at many international conferences and served many international conferences as the general chair.

As the president of the Smart City Consortium which includes SK Telecom, LG-CNS, etc., as industry members and Seoul National University, Korea University, Yonsei University, etc., as academic members, he has been leading the smart city project which has had over fifteen million U.S. dollars fund and has been supported by Seoul Metropolitan Government of Korea since 2005.

He was invited to be a keynote speaker and a panelist for the Smart City conference which was held to construct the EU Smart City Master Plan by the European Union (EU) Parliament at the EU parliament in Brussels, Belgium in May 2013. He was invited to be a keynote speaker for the Taiwan National Smart Territory Development Program in May 2015.

He received the Korea Best Award, from the "Korea Herald" Newspaper, a famous daily newspaper in Korea in 2007 for pioneering achievement in a smart city. He received the Best Lecture Awards several times and the Best Research Awards several times from the University of Seoul since 1999 till now.

His current research interests include operating system, smart operating system, smart software, distributed and parallel processing, real-time processing, cloud/Grid/edge computing, ubiquitous computing, very high speed communication, Internet, Internet of Things, intelligent processing, smart devices, smart city, smart society, smart convergence for the fourth industrialization, etc.

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