

Resume

PERSONAL

Place of Birth: Incheon, Rep. of Korea
Nationality: Korean & US permanent residence
Family: Married with two daughters
Military Service: Lieutenant, Korean Army
Tel: 781-572-8463
Email: geunholee@gmail.com

BRIEF PROFILE

Alex (Geunho) Lee is a technologist and intellectual property management expert with more than 20 years of experiences in nearly all careers for a professional in physical sciences and electrical engineering. He worked at universities, small to large companies, and government institutes as a researcher, manager, executive, advisor, and professor both in the US and S. Korea. Some of his formal affiliations are Boston University's School of Management, Georgia Institute of Technology's School of Electrical Engineering, WIPS's IPR Business Strategy Institute, Samsung Techwin's Semiconductor Device Business Division, Korea Telecom's Technology Center, and Korean Ministry of Information and Communication's Radio Research Laboratory.

He is a subject matter expert in mobile computing and wireless communications and holds several industry certifications including CompTIA RFID+ and Korean CVA. He is a member of IEEE and AIPLA. He earned his Ph.D. in physics from the Johns Hopkins University and is registered to practice before the US Patent and Trademark Office.

PROFESSIONAL EXPERTISE

Intellectual property management: strategic patent analysis and prosecution; patent engineering for emerging technology IP portfolio development

Technology and innovation management: R&D management; competitive intelligence; technology valuation; technology commercialization strategy

Business coordination: strategic business development for Korean IT & telecom market; technology standardization

CAREER

INDUSTRY (Full Time)

Principal, TechIPm LLC, Burlington, MA (2009.4 - present):
Patent engineering for 4G mobile communications (LTE, WiMax, IMT-Advanced) & RFID;
Competitive technology intelligence analysis using patent mining; Patent prosecution for multi-national IPR

Sr. Advisor, IPR Business Strategy Institute, WIPS Co., Seoul, Korea (2006.6 - 2009.3):

Strategic patent analysis; Patent valuation; IP management methodology development
Research Project: 'Patent analysis for emerging ICT (RFID, IEEE 802.11n, IPTV, Biometrics)', 2007.1 - 2008.12, funding from Korea Intellectual Property Office

Executive Engineer, R&D Planning Dept., KMW Inc., Hwasung, Gyunggi, Korea (2002.3 - 2002.10):
Director of R&D planning department; Wireless communication devices and systems R&D strategy;
Standardization of smart antenna systems for 3G mobile communications

Chief Research Officer, Radio Research Laboratory, Ministry of Information & Communication, Seoul, Korea (1996.11 - 2000.12):

RF measurement technology development: Antenna, RF System, EMC; Emerging technology strategic policy planning: 2G-3G mobile technology, RFID, Bluetooth, UWB, BWA; Wireless communications standardization: ITU-R

INDUSTRY (Part Time)

Co-founder & Sr. Fellow, u-City Forum, Seoul, Korea (2005.5 - 2008.4):
Ubiquitous Computing City (u-City) strategic planning; Research for u-City service model; International collaborations
Research Project: 'u-City Service Scenario and System Architecture'; 2005.8 - 2005.12, funding from Samsung Advanced Institute of Technology

Sr. Advisor, Semiconductor Device Division, Samsung Techwin, Seoul, Korea (2004.5 - 2005.4):
Technology and businesses strategy for RFID; Strategic planning for new RFID product development

Consulting Fellow, Technology Center, Korea Telecom, Sungnam, Gyunggi, Korea (2003.6 - 2003.12):
Strategic planning for emerging technology business in Telecommunications

ACADEMIC

Visiting Scholar & Academic Fellow, School of Management, Boston University, Boston, MA (2006.3 - 2007.2):
Business strategy research for emerging IT & telecommunications; Application of option theory for Blue Ocean Strategy
Research Project: Blue Ocean Strategy for Emerging ICT Business', 2006.1 - 2006.6, funding from Duzon C&T Inc.

Visiting Professor, Information & Communications Engineering Dept., SCH University, Asan, Chungnam, Korea (2004.3 - 2006.2):
Research in ubiquitous computing and communications; Teaching in digital technology and RFID
Research Project: 'RFID Test Lab. Development Strategy', 2005.1 - 2005.3, funding from EPCglobal Korea

Adjunct Professor, Radio Communications Institute, Yonsei University, Seoul, Korea (2003.3 - 2003.12):
Teaching in RF and microwave technology
Research Project: 'RFID Payment Standards Roadmap', 2003.9 - 2003.11, funding from Korea Electronic Payment Industry Association

Research Professor, Information & Telecommunication Research Institute, Kwangwoon University, Seoul, Korea (2001.1 - 2002.2):
Research in RFIC for mobile communications; Research for RFID standardization policy; Teaching in semiconductor devices

Research Project: 'RFID card system technical standards', 2001.3 - 2001.12, funding from Ministry of Information and Communication

Visiting Scholar, School of Electrical Engineering, Georgia Institute of Technology, Atlanta, GA (1999.8 - 2000.1):

Research in RFIC Devices

Research Project: 'RFIC design for CDMA mobile systems', 2001.1 - 2002. 2, funding from MTC Inc.

Research Project: 'RF Measurement Technologies', 1999.3 - 1999. 12, funding from ETRI

Korea NSF Post Doc. Fellow, Seoul National University, Seoul, Korea (1996.3 - 1996.8):

Computer simulation research for astrophysical plasmas

EDUCATION

Ph.D. in Physics, Johns Hopkins University, Baltimore, M.D. (1995)

M.S. in Physics, Yonsei University, Seoul, Korea (1988)

B.S. in Physics, Yonsei University, Seoul, Korea (1986)

CONTINUING EDUCATION

Cross-Competitor Analysis, Fuld-Gilad-Herring Academy of Competitive Intelligence (2008)

Global IP Management, Franklin Pierce Law Center IP Summer Institute (2008)

Technical Writing, IEEE Boston Section Continuing Education (2008)

CVA Course, International Association of Certified Valuation Advisor (2003)

CERTIFICATION & MEMBERSHIP

USPTO Registered Patent Agent (Reg. #63339)

Korea Certified Valuation Analysts

CompTIA A+, NETWORK+, HTI+, RFID+

American Intellectual Property Law Association (AIPLA)

Institute of Electrical and Electronics Engineers (IEEE)

PUBLICATION

BOOK

Next Generation Wireless Internet Technology, Jin Han Book Co., Seoul, Korea, 2003

Korean Translation of RFID Handbook, Young Jin Dot Com Co., Seoul, Korea, 2004 Link

Korean Translation of UMTS & Mobile Computing, Jin Han Book Co., Seoul, Korea, 2003

Korean Translation of Pervasive Computing Handbook, Jin Han Book Co., Seoul, Korea, 2003

PATENT

US6956528 (Granted Date 20051018)

KR0417493 (Granted Date 20040126)

RESEARCH PAPER

J. Lee, G. Lee, et al., "The Design of SiGe HBT LNA for IMT-2000 Mobile Application", IEEE MTT-S Digest, p1262 (2002)

J. Lee, G. Lee, et al., "Performance Projections of SiGe HBTs for LNAs in CDMA Mobile Communication Systems", The 5th ETRI's CDMA International Conference Digest, Vol 2. 259 (2000)

S. Rhee, G. Lee, et al., "Experimental Study of a Microstrip-probe Feed for U-slot Patch Antenna", IEEE APS Digest, 2756 (1999)

G. A. Kriss, A. F. Davidsen., W. Zheng, G. Lee, "The Ultraviolet Peak of the Energy Distribution in 3C273", Astrophysical Journal, 527, 683 (1999)

W. Zheng., G. A.. Kriss, A. F. Davidsen, G. Lee, et al., "Astro-1 and Ground-Base Observations of Markarian 335", Astrophysical Journal, 444, 632 (1995)

PRESENTATION & REFERENCE

'Trends & Issues with Strategic Patent Management for Mobile Communication Technologies', PATINEX 2009 (2009)

'LTE IPR Analysis: Essentiality for OFDM/MIMO Standards', TechIPm, LLC's research report (2009)

'LTE Essential Patent Landscape 2Q 2009', TechIPm, LLC's research report (2009)

'RFID Innovation Frontline 1Q 2009', TechIPm, LLC's research report (2009)

'Blue Ocean Strategy for Emerging ICT Business', ICT Blue Ocean workshop, BU's School of Management (2006)

'u-City Projects in Korea', W2i Roundtable-Broadband Wireless: Digital Community for Local Government Re-engineering Opportunities (2006)

'RFID & WSN Applications for u-City', Wireless Sensing Solutions Conference (2005)

'Ubiquitous Computing Cities: A New RFID Business Opportunity in Korea', Smart Labels USA 2005 (2005)

'3G & Beyond 3G deployment in South Korea: Public Sector Cases', Hong Kong 3G on the Move Conference & Exhibition (2005)

'Korea's High-Tech Utopia, Where Everything Is Observed', New York Times Interview (2005)

'National Government as an Incubator for Broadband Distribution in South Korea', book chapter in "The Promise of Broadband Wireless Communities", The United Nations ICT Task Force (2005)

'RFID market developments in Korea', IDTechEx Interview (2004)