

# *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](mailto:geunholee@gmail.com)

## **BRIEF PROFILE**

Alex (Geunho) Lee is a technologist and intellectual property strategy expert in information technology and telecommunications. After earned his Ph.D. in physics from the Johns Hopkins University, he started his professional career at Korean ministry of information & communication's radio research laboratory. His role was to provide technological research for the global standardization in IT and telecommunications and strategy analysis for legislation of government regulations and policies for emerging technologies.

After four years of his affiliation with S. Korean government, he held several academic and industry positions, which are all related to research, strategy, and intellectual property management for emerging technologies 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, and Korea Telecom's Technology Center.

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 is now attending Suffolk University Law School for his J.D. Degree. He 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 technologies; patent portfolio development.

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

Business strategy for new IT & telecom market development.

## **WORK SAMPLES**

<http://techipm-innovationfrontline.blogspot.com/>

<http://www.slideshare.net/alexglee>

## **CAREER**

### INDUSTRY (Full Time)

- Principal, TechIPm LLC (www.techipm.com), Burlington, MA (2009.4 - present)

Professional research and consulting services in emerging technology & intellectual property management:

1. Patent & technology analysis for strategic patent portfolio development in the field of mobile computing and wireless telecommunications: 4G mobile communications (LTE, LTE-A, WiMAX); Wireless LAN (802.11a/b/g/n/ad/af); Cognitive Radios (802.22); Wireless Sensor Networks (802.15.3); RFID (NFC).
2. Standardization and essential patent analysis (WCDMA, LTE, LTE-A, IEEE 802.1x, 2x, NFC).
3. Patent prosecution for multi-national IPR (USPTO, KIPO, PCT).
4. Technology valuation for IP licensing.
5. Business strategy analysis in IT & telecommunications.

Projects: 'Comparative Analysis of LTE Essential Patent Portfolios of InterDigital, Nortel, Motorola, and Nokia', 'LTE Patents for Commercial Products', 'Strategic Patent Portfolio Development for Cognitive Radio Networks in TVWS', 'Investment Feasibility Analysis for 4G Smart Antenna and Baseband Modem Patent Portfolio', 'Evaluation of GSM and WCDMA Patent Portfolios'.

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

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

Patent mining project advisor:

1. Strategic patent analysis.
2. IP management methodology development.

\*USPTO Registered Patent Agent (Reg.#63339).

Project: 'Patent analysis for emerging ICT (RFID, IEEE 802.11n, IPTV, Biometrics)'.

- Executive Engineer, KMW Inc., Hwasung, Gyunggi, Korea (2002.3 - 2002.10)

Director of R&D planning department:

1. Wireless communication devices and systems R&D strategy.
2. 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):

Head of RF technology department:

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

INDUSTRY (Part Time)

- Co-founder & Sr. Fellow, u-City Forum, Seoul, Korea (2005.5 - 2008.4)

1. Ubiquitous Computing City (u-City) strategic planning.
2. Research for u-City service model.
3. International collaborations.

Project: 'u-City Service Scenario and System Architecture'.

Ref. 'Korea's High-Tech Utopia, Where Everything Is Observed', New York Times Interview (2005)  
[http://www.nytimes.com/2005/10/05/technology/techspecial/05oconnell.html?\\_r=2&ei=5070&en=f49e6ccfdeea3832&ex=1137128400&adxnnl=1&adxnnlx=1136955721-1KkHc2eYEqMOALzXR5JEfw](http://www.nytimes.com/2005/10/05/technology/techspecial/05oconnell.html?_r=2&ei=5070&en=f49e6ccfdeea3832&ex=1137128400&adxnnl=1&adxnnlx=1136955721-1KkHc2eYEqMOALzXR5JEfw)

- Sr. Advisor, Semiconductor Device Division, Samsung Techwin, Seoul, Korea (2004.5 - 2005.4)

1. R&D strategy for RFID.
2. Strategic planning for new RFID product development.

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

- Consulting Fellow, Technology Center, Korea Telecom, Sungnam, Gyunggi, Korea (2003.6 - 2003.12)

Strategic business planning for emerging technologies in telecommunications

ACADEMIC

- Visiting Scholar & Academic Fellow, School of Management, Boston University, Boston, MA (2006.3 - 2007.2)

1. Business strategy research for emerging IT & telecommunications.
2. Application of option theory for Blue Ocean Strategy.

Research: Blue Ocean Strategy for Emerging ICT Business'.

- Visiting Professor, Information & Communications Engineering Dept., SCH University, Asan, Chungnam, Korea (2004.3 - 2006.2)

1. Research in ubiquitous computing and communications.

2. Teaching in digital technology and RFID.

Research: 'RFID Test Lab. Development Strategy'.

- Adjunct Professor, Radio Communications Institute, Yonsei University, Seoul, Korea (2003.3 - 2003.12)

Teaching in RF and microwave technology.

Research: 'RFID Payment Standards Roadmap'.

- Research Professor, Information & Telecommunication Research Institute, Kwangwoon University, Seoul, Korea (2001.1 - 2002.2)

1. Research in RFIC for mobile communications.

2. Research for RFID standardization policy.

3. Teaching in semiconductor devices.

Research: 'RFID card system technical standards'.

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

1. Research in RFIC devices.

Research: 'RFIC design for CDMA mobile systems', 2001.1 - 2002. 2.

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

Computer simulation research for astrophysical plasmas

## **EDUCATION**

J.D., Suffolk University Law School, Boston, MA (2014 expected)

Ph.D. in Physics, Johns Hopkins University, Baltimore, MD (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", 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)