



## Conference Proceedings and Presentations

- Kim, Y. H., and J. W. Lee, "Corporate Networking via New Social Media: Effects of Social Media Activity and Absorptive Capacity on Firm's Innovation and Performance," *2013 Korean Academic Society of Business Administration (KASBA) Annual Meeting*, Daegu, Korea, August, 2014.
- Lee, J. W., and T. Y. Yang, "A Science-based Approach to Entrepreneurship from Evolutionary Genetic Perspective," *International Council for Small Business (ICSB) World Conference 2014*, Dublin, Ireland, June, 2014.
- Lee, J. W., and T. Y. Yang, "Mathematical Modeling and Quantitative Analysis of Entrepreneurship from Evolutionary Genetic Perspective," *2013 2<sup>nd</sup> Industrial and Systems Engineering World Conference*, Las Vegas, Nevada, USA, November, 2013.
- Lee, J. W., and T. Y. Yang, "Quantitative Analysis of Key Factor for Firm's Survival by Science-based Entrepreneurship Model from Evolutionary Genetic Perspective," *2013 KASBA Annual Meeting*, Jeongseon, Gangwon, Korea, August, 2013.
- Lee, J. W., and T. Y. Yang, "An Interdisciplinary Study on Definition of Entrepreneurship and Its Mathematical Model from an Evolutionary Perspective," *2012 Babson College Entrepreneurship Research Conference (BCERC)*, Neeley School of Business, Texas Christian University, Fort Worth, Texas, USA, June, 2012.
- Lee, J. W., and T. Y. Yang, "An Evolutionary Definition of Entrepreneurship and Its Mathematical Model," *2011 Fall Conference of Korean Operations Research and Management Science Society (KORMS)*, Konkuk University, Seoul, Korea, October, 2011.
- Lee, J. W., and T. Y. Yang, "A Study on Defining Entrepreneurship by Way of Evolutionary Genetic Aspects and Analysis Method of Key Factors to Venture Survival," *2011 KASBA Annual Meeting*, Yongpyong, Gangwon, Korea, August, 2011.
- Lee, J. W., and T. Y. Yang, "A Study on Defining Entrepreneurship by Way of Evolutionary Genetic Aspects and Analysis Method of Key Factors to Venture Survival," *ICSB World Conference 2011*, Stockholm, Sweden, June, 2011.
- Bae, Z. T., M. S. Cha, Y. H. Kim, and J. W. Lee, "Career Stage Models for Entrepreneurs of High-Tech Companies," *2011 Annual Meeting of the Academy of Management(AOM)*, San Antonio, Texas, USA, August, 2011.
- Bae, Z. T., M. S. Cha, Y. H. Kim, and J. W. Lee, "Multi-Dimensional Typology for Entrepreneurial Career Role Models," *Annual Conference of the Academy of Innovation and Entrepreneurship(AIE) 2010*, Tsinghua University, Beijing, China, July, 2011.
- Cha, M. S., S. H. Ahn, J. W. Lee, and Y. H. Kim, "A Design of Entrepreneurship Support System and Action Plans for Entrepreneurial Economy," *2010 KASBA Annual Meeting*, Songdo, Incheon, Korea, August, 2010.
- Kim, Y. H., J. W. Lee, and T. Y. Yang, "Corporate Transparency and Firm Performance: Evidence from Korean Ventures," *ICSB World Conference 2010*, Cincinnati, Ohio, USA, June, 2010.
- Kim, Y. H., J. W. Lee, and T. Y. Yang, "A Study on Plan to Measure and Improve Corporate Transparency of Venture Firms," *2009 Spring Joint Conference of the KORMS & Korean Institute of Industrial Engineers(KIIE)*, Pusan National University, Busan, Korea, May, 2009.
- Kim, Y. H., J. W. Lee, and T. Y. Yang, "The Analysis of Measurement and Enhancement of the Transparency in Ventures," *2008 KASBA Annual Meeting*, Jeju, Korea, August, 2008.

## Work Experiences

- 2013.7 ~ Present      **KAIST Center for Science-based Entrepreneurship (CSE)**  
Postdoctoral Researcher  
Participated in research projects on Korean start-ups and turnaround policies
- 2012.4 ~ Present      **KAIST Center for Innovation Initiatives (KCI)**  
Researcher, Studied on Korean Hidden Champions in Daedeok Innopolis  
Managed and organized KAIST Venture Forums (KVF)
- 2012.1 ~ 2012.4      **RWTH Aachen University Center for Entrepreneurship & Chair for Business Administration and Sciences for Engineers and Scientists**  
Research Fellow (Visiting Researcher)  
Studied on German Hidden Champions (with Prof. Malte Brettel)

- 2010.2      **KAIST Intellectual Property Center for Creative Entrepreneur (IP-CEO)**  
 ~ Present      Head Teaching Assistant  
                     Managed and evaluated enrolled TAs and gifted students in on/off-line education programs
- 2007.2      **KAIST Graduate School of Innovation & Technology Management (I&TM)**  
 ~ Present      **and Dept. of Business and Technology Management (BTM)**  
                     Researcher and Teaching Assistant  
                     Participated in the Task Force Team to set up for 'The Establishment of MOT in KAIST'
- 2007.2      **KAIST CSE**  
 ~ 2013.6      Student Researcher  
                     Participated in Entrepreneurship Education- and Policy-related research projects
- 2006.7      **Electronics and Telecommunication Research Institute (ETRI)**  
 ~ 2006.8      Research Intern, Worked in Ubiquitous-IT Strategy Research Team  
                     Participated in Home Network, BcN-related research projects

### **Activities**

#### **Journal of Small Business Management (JSBM) 2014**

Reviewed and evaluated a manuscript in JSBM as a Reviewer

#### **Kiswe and KAIST Joint Summer Research Project - 'Global Entrepreneurship by Doing' 2014**

Recruited and managed KAIST participants as a coordinator (with Dr. Jeong Kim & Dr. Wim Sweldens)

#### **STEPI (Science and Technology Policy Institute) Young Innovators Talk Together at KAIST 2014**

Presided over the group network Q&A meeting as a facilitator (with Duhee Lee, CEO of 'Like Lion')

#### **KAIST Alumni Mentoring Concert – 'Meeting with the Stars' 2014**

Advised KAIST students as an alumni mentor in a field of Venture/Start-ups

#### **Global-Up Program for Small & Medium Enterprises in Daejeon 2014**

Evaluated and screened applicant SMEs in Daejeon as a Business Evaluation Committee Member

#### **Academy of Management 2014 Annual Meeting**

Reviewed and evaluated the papers in Entrepreneurship Division as a Reviewer

#### **Supporting Turnaround for Young Entrepreneurs Forum 2013**

Organizing Director, Planned and organized the forum

#### **University Students and Youths Start-Up 500 Project in Daejeon 2013**

Chairman of Business Evaluation Committee, Evaluated the performance of start-ups

#### **Mentoring of the First Generation Entrepreneurs in Korean Venture Firms 2013**

Mentee Team Leader of 'Freezm' team (Mentor: Daeyang Choi, Wonsik Yang, and Yeonho Im)

#### **KAIST Counselor Assistant (Student Advisor) 2012**

Advised and tutored undergraduate students in Dept. of Industrial & Systems Engineering (IsysE), KAIST

#### **Babson College Entrepreneurship Research Conference (BCERC) 2012**

Participated in 'Doctoral Consortium' as a Ph.D. Candidate & 'Interactive Paper Session' as a Chair

#### **KAIST Graduate Student Association 2011~2013**

Representative of Dept. IsysE in Central Steering Committee of KAIST Graduate Student Association

#### **Korea Leader Mentoring Network (Korment) 2011**

Mentee Team Leader of 'Eruum' Team (Mentor: Michung Ahn)

## **International Council for Small Business (ICSB) Conference 2010 & 2011**

Participated in ICSB 2010(Cincinnati) & ICSB 2011(Stockholm) and gave presentations of research papers

## **KAIST International Students Innovation & Entrepreneurship Conference (ISIEC) 2010**

Planned and organized KAIST ISIEC 2010, hosting international students and lecturers

## **Asia-Pacific Student Entrepreneurship Society (ASES) Korea**

President, Vice President, and Education Director of ASES Korea Chapter

Participated in ASES Taipei Summit 2007 and Stanford Summit 2008 as a Korean delegate

## **Accel Roundtable on Entrepreneurship Education (REE) 2007 Asia**

Organized REE 2007 Asia Conference, hosting various professionals and professors in Asia Pacific

## **KAIST EnActUs (former “Students in Free Enterprise (SIFE)”)**

Team Leader, Project Manager, and HR Director, Planned and organized workshop on investment

## **Doolly and Kaiser; KAIST Main Basketball Clubs**

KAIST Representative Basketball Player of KAIST-POSTECH Science War

Played in various competition and intramural tournaments

## **KAIST UNIPEACE since 2004**

President, Hold an Annual Panel Exhibition of Peace & Culture in Campus from 2004

## **KGB and KGS (KAIST from General high school Basketball/Soccer team) since 2003**

Founder and President, Played with KAIST students graduated from general high schools

## **Awards and Grants**

2014.5	Most Valuable Player (MVP) and 1 <sup>st</sup> place in KAIST Doolly Basketball Cup 2014
2014.5	Mentor of 2014 KAIST Alumni Mentoring Concert
2014.3	1 <sup>st</sup> place in Startup KAIST Weekend: Simulated Investment
2014.3	1 <sup>st</sup> place in Startup KAIST Weekend: Business Plan Competition
2013.9~2014.6	Champion in KAIST KIFA Football League 2013-2014 Season
2013.8~2014.2	Mentee of Mentoring of the First Generation Entrepreneurs in Korean Venture Firms
2013.3	1 <sup>st</sup> place in KAIST Doolly Basketball Cup 2013
2013.3	1 <sup>st</sup> place in sGen Global Startup Springboard 2013 KAIST
2012.9	2 <sup>nd</sup> place in KAIST Hurricane Soccer Cup 2012
2012.9	2 <sup>nd</sup> place in KAIST Kaiser 3on3 Basketball Cup 2012
2012.6	Certificate of Participation: 2012 BCERC Doctoral Consortium Program
2012.3	Certificate of Attendance: German Level A1.1 (Final Examination Result: 95%)
2012.1~2012.3	RWTH Aachen University Research Fellowships 2012
2012.1	Certificate of Participation: Trash Challenge, Stanford Technology Ventures Program
2011.10	2 <sup>nd</sup> place in KAIST Hurricane Soccer Cup 2011
2011.4~2012.2	Mentee of Korea Leader Mentoring Network (Korment) 2011
2010.10	Winner in KAIST Cup National Basketball Championship 2010
2010.3	2 <sup>nd</sup> place in KAIST Doolly Basketball Cup 2010
2009.9~2010.8	Korea National Research Fellowship for Science and Engineering Graduates
2009.9	3 <sup>rd</sup> place in KAIST Kaiser 3on3 Basketball Cup 2009
2009.7	League 1 <sup>st</sup> runner up in SIFE National Competition 2009
2008.12	Certificate of Venture Capitalist Education Program, Korean Venture Capital Institute
2008.7	League 1 <sup>st</sup> runner up in SIFE National Competition 2008
2007.8	Awarded in Future Environmental-friendly Transportation Idea Contest
2007.5	Awarded in Future Mobile Terminal Idea Contest
2007.6	Finalist (3 <sup>rd</sup> place) in SIFE National Competition 2007
2007.3	3 <sup>rd</sup> place in KAIST Doolly Basketball Cup 2007
2007.2~2012.1	Korean Government Scholarship
2007.1	Certificate of Pre-Star-Venture Start-Up School Program 2007
2005.5	3 <sup>rd</sup> place in Hyundai Mobis National University Basketball Competition

2004.5 Champion in KAIST Billiard Competition  
 2003.10 3<sup>rd</sup> place in KAIST President's Marathon Competition  
 2003.3~2007.2 Korea Presidential Science Scholarship

**Research Projects**

2014.11~Present KAIST Entrepreneurship Case-Study, *KAIST*  
 2014.9~Present Support of University Entrepreneurship Centers, *Korea Institute of Startup & Entrepreneurship Development (KISED)*  
 2014.4~11(scheduled) A Study on Improvement of Competence for the Korean Wave Contents through Analysis on Future Trends and Scenarios, *Korea Foundation for International Culture Exchange (KOFICE)*  
 2014.3~8 Analysis on Failed Venture Firms and Support of Re-Challenge Policies, *Korea Entrepreneurship Foundation (KOEf)*  
 2014.2~4 Analysis on Profitability and Lifecycle of World Tire Industry, *Hankook Tire*  
 2014.1~12(scheduled) Which Firms Do the Product Innovation in Korea?, *KAIST*  
 2013.8~9 The Performance Analysis and Development Plan of 'University Students and Youths Start-Up 500 Project', *Daejeon Metropolitan City*  
 2013.7~12 2013 Mentoring of the First Generation Entrepreneurs in Korean Venture Firms and Supporting for Comeback of Failure Entrepreneurs, *Korea Association for ICT Promotion (KAIT)*  
 2013.2~5 A Study on the Next Generation User Friendly Sensor Technology for the Future Life Style Pattern' - Future Sensor Project, *Samsung Electro-Mechanics*  
 2013.1~12 A Study on Critical Success Factors for Commercialization of the Convergence Technology, *KAIST*  
 2012.4~12 Case Study on Technology Commercialization of Sun Bio Tech. Co., Ltd., a R&D-Startup of Daedeok Innopolis, *KAIST*  
 2012.1~12 The Determinants of New Firm Creation and Disengagement of Nascent Entrepreneurs, *KAIST*  
 2011.1~12 The Effect of Public Policy on National Entrepreneurial Activity: Evidence from OECD Member Countries, *KAIST*  
 2011.1~12 A Study on the Correlation of Entrepreneurship, Business Environment, and Firm Performance, *KAIST*  
 2010.6~12 Research for Quantitative Diagnosis and Formulation of Environmental Policy: Biofuel Application in Aviation Industry, *KAIST*  
 2010.5~6 Establishing and Developing Entrepreneurship Support System for Entrepreneurial Economy, *Small & Medium Business Administration (SMBA)*  
 2010.1~12 Linking Firm Level Entrepreneurial Characteristics to the Individual Attitudes, *KAIST*  
 2010.1~12 A Study on the Correlation of Entrepreneurship and Job Creation, *KAIST*  
 2010.1~12 The Comparative Study on Periodic Definitions of Entrepreneurship and Its Measurement, *KAIST*  
 2010.1~5 Comparative Business Analysis on Smartphones based on Google Android Platform, *KAIST*  
 2009.9~12 The Comparative Study between Korean Big Companies and Small & Medium Enterprises, *KAIST*  
 2009.7~10 A Study on Developing Korean Entrepreneurship Models, *SMBA*  
 2009.6~12 Business Strategies in Game Console Industry: KAIST Start-up, *KAIST*  
 2009.1~12 Researching Entrepreneurship: Characteristics of Major Entrepreneurship Journals and Present Issues on Entrepreneurship, *KAIST*  
 2009.1~12 The Analysis of Correlation of Entrepreneurial Team and Firm Performance in Ventures, *KAIST*  
 2009.1~5 A Study on Entrepreneurship through Entrepreneurial Case Study, *KAIST*  
 2008.5~11 A Study on the Policy for Self-employed Firm, *SMBA*  
 2008.4~6 A Study on the Plan of making Higher Performance of R&D Commercialization through Promoting Entrepreneurship, *Ministry of Knowledge Economy (MKE)*  
 2008.1~12 Entrepreneurship, Firm Dynamics, and Triple Helix, *KAIST*  
 2008.1~12 The Analysis of Measurement and Enhancement of the Transparency in Ventures, *KAIST*

2008.1~10	The Cross-national Comparison of a National Standard System and the Establishment of the Advanced Institution of the National Standard, <i>Korea Research Institute of Standards and Science (KRISS)</i>
2007.7~12	The Analysis of the Effect of Business Regulation on Entrepreneurship, <i>KAIST</i>
2007.5~12	A Study on the Next Generation Convergence Communication Technology for the Ubiquitous Mobile Life' - Future Mobile Terminal Project, <i>KAIST</i>
2007.1~12	A Study on the Correlation of Entrepreneurship and Bio-Venture Start-up Performance in Bio-Industry, <i>KAIST</i>
2006.7~8	The Market Analysis and Techno-Economic Study on Home Network, <i>ETRI</i>

### **Lectures and Teaching Experiences**

2014.9~12	Global Entrepreneurship & Startup, <i>Daejeon University (ASEAN Program)</i>
2014.8	Symposium Presentation – “Actual Cases of Innovation, Entrepreneurship, and Commercialization in KAIST,” <i>SUNY Binghamton University</i>
2014.7	[MSB481] Special Topics in Management Science II - Global Entrepreneurship, <i>KAIST (2014 KAIST International Summer School)</i>
2014.4	Research Seminar – “Comparative Analysis on the Ecosystem of Global Startup and Turnaround,” <i>ETRI</i>
2014.3~6	[ITM570] Process and Operations Management, <i>KAIST</i>
2013.9~12	[MSB450] Entrepreneurship & Venture Business, <i>KAIST</i>
2013.9~12	[ITM800] Special Topics (3) in Management of Technology - <Management Science>, <i>KAIST</i>
2013.7	Research Seminar – “A Science-based Approach to Entrepreneurship from Evolutionary Genetic Perspective,” <i>ETRI</i>
2013.5	Special Lecture – “What is Entrepreneurship?, Who is Entrepreneur?, and Business Model Generation,” <i>Daejeon University (ASEAN Program)</i>
2013.5	[ITM570] Process and Operations Management – Inventory Management, <i>KAIST</i>
2011.11	Industrial & Systems Engineering Graduates Colloquium, “An Evolutionary Definition of Entrepreneurship and Its Mathematical Model,” <i>KAIST</i>

### **Others**

#### **Teaching Assistant**

2013 Summer	[MSB481] Special Topics in Management Science II - Global Entrepreneurship (2013 KAIST International Summer School)
2010 Fall	[MSB491] CEO Seminar
2010 Spring	[MSB235] Financial Management
2009 Fall	[BEP401] Management of Technology Innovation
2009 Spring	[BEP420] Principles of Accounting
	[BEP481(B)] Special Topics in Business Economics - Entrepreneurial Finance
2008 Fall	[BEP422] Entrepreneurial Mindset
2008 Spring	[BEP440] Legal Aspects and Cases of Entrepreneurship
	[BEP481(C)] Special Topics in Business Economics - Intellectual Property Rights and Economic Development
2007 Fall	[BEP411] Investments
	[BEP450] Entrepreneurship and Venture Business
2007 Summer	[BEP481(A)] Special Topics in Business Economics - International Trade, Development, and Intellectual Property Rights
2007 Spring	[CC530] Entrepreneurship and Business Strategies

#### **Research Interests**

Science-based Entrepreneurship Theory  
 Mathematical Modeling of Entrepreneurship  
 Entrepreneurial Networks & Policies  
 Corporate Transparency  
 Strategic Management  
 Technology Commercialization & Open Innovation

## **Computer Expertise**

Statistics software: SPSS, STATA, SAS, Minitab, EViews, MATLAB

## **Language Skills**

Korean: Native (Mother Tongue)

English: Advanced level (TOEIC score: 885)

German, Chinese, and Japanese: Basic level

## **References**

### **Taeyong Yang** (Advisor)

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As of November 30, 2014

Jungwoo Lee (Signature)