

## Curriculum Vitae

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### Gwanhoo Lee

Associate Professor and UPS Faculty Scholar of Information Technology  
Director of the Center for IT and the Global Economy  
Kogod School of Business  
American University  
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#### Research Interests/Expertise

1. Web 2.0 and open collaboration and innovation
2. Managing agility and complexity in software development
3. Managing globally dispersed software development
4. CIO leadership
5. Technology adoption and acceptance

#### Education

**Doctor of Philosophy**, Business Administration, Carlson School of Management, University of Minnesota, Minneapolis, MN, USA, 2003

**Master of Science**, Industrial Engineering (Minor in Computer Science), 1993  
Seoul National University, South Korea

**Bachelor of Science**, Industrial Engineering, 1991  
Seoul National University, South Korea

#### Refereed Journal Articles

1. "Towards Agile: An Integrated Analysis of Quantitative and Qualitative Field Data on Software Development Agility," Gwanhoo Lee and Weidong Xia, *MIS Quarterly*, forthcoming in June 2010.
2. "Understanding the Flexibility Gap of Information Systems Development: An Empirical Study," Weidong Xia and Gwanhoo Lee, *Journal of Information Technology Management*, 20(2), 2009, pp. 11-21.
3. "Why Consumers (Don't) Adopt Smart Wearable Electronics," Gretchen Anderson and Gwanhoo Lee, *IEEE Pervasive Computing* 7(3), Jul-Sept, 2008, pp. 10-12.
4. "Organizational Size and IT Innovation Adoption: A Meta-Analytic Review," Gwanhoo Lee and Weidong Xia, *Information & Management*, 43(8), 2006, pp. 975-985.
5. "Global Boundaries, Task Processes and IS Project Success: A Field Study," J. Alberto Espinosa, William H. DeLone, and Gwanhoo Lee, *Information Technology and People*, 19(4), 2006, pp. 345-370.
6. "Flexibility and Rigor: Ambidextrous Coping Strategies in Globally-Distributed Software Development Projects," Gwanhoo Lee, William H. DeLone, and J. Alberto Espinosa, *Communications of the ACM*, 49(10), 2006, pp. 35-40.

7. "Complexity of Information Systems Development Projects: Conceptualization and Measurement Development," Weidong Xia and Gwanhoo Lee, *Journal of Management Information Systems*, 22(1), 2005, pp. 45-83.
8. "The Ability of Information Systems Development Project Teams to Respond to Business and Technology Changes: A Study of Flexibility Measures," Gwanhoo Lee and Weidong Xia, *European Journal of Information Systems*, 14(1), 2005, pp. 75-92.
9. "Grasping the Complexity of IS Development Projects," Weidong Xia and Gwanhoo Lee, *Communications of the ACM*, 47(5), 2004, pp. 68-74.

### **Refereed Book Review**

1. "Information Rules: A Strategic Guide to the Network Economy," Gwanhoo Lee, *Electronic Markets: The International Journal of Electronic Commerce and Business Media*, 10(1), 2000, pp. 59-61. (Book Review)

### **Refereed Conference Proceedings/Presentations**

1. "Process Ambidexterity and Success in Geographically Dispersed Information Systems Development," Gwanhoo Lee, J. Alberto Espinosa, and William H. DeLone, *Academy of Management Annual Meeting, Chicago, Illinois*, August 2009. Best Paper Proceedings.
2. "Relationships between Software Team Flexibility, Autonomy, Diversity, and Project Performance," Gwanhoo Lee and Weidong Xia, *The Academy of Management, Philadelphia, Pennsylvania*, August 2007, Best Paper Proceedings. *OCIS First Runner-up Best Paper Award*.
3. "Virtual Team Boundary Complexity: A Team Coordination Perspective," J. Alberto Espinosa, Gwanhoo Lee, and William H. DeLone, *The Academy of Management, Philadelphia, Pennsylvania*, August 2007.
4. "Ambidexterity and Global IS Project Success: A Theoretical Model," Gwanhoo Lee, William H. DeLone, and J. Alberto Espinosa, *The 40th Hawaii International Conference on System Sciences, Big Island, Hawaii*, January 2007, pp. 1-10.
5. "Bridging Global Boundaries for IS Project Success," William H. DeLone, J. Alberto Espinosa, Gwanhoo Lee, and Erran Carmel, *The 38th Hawaii International Conference on System Sciences, Big Island, Hawaii*, January 2005, pp. 1-10.
6. "IS/IT Strategy: Concept, Frameworks, and Case Observations," Carl Adams, Weidong Xia, Nick Ball, and Gwanhoo Lee, *SIGLead Conference 2004, Athens, Georgia*, April 17 2004.
7. "Development of a Measure to Assess Software Project Complexity," Gwanhoo Lee and Weidong Xia, *The 23rd International Conference on Information Systems, Barcelona, Spain*, December 2002, pp. 79-88.
8. "Flexibility of Information Systems Development Projects: A Conceptual Framework," Gwanhoo Lee and Weidong Xia, *2002 Americas Conference on Information Systems, Dallas, Texas*, August 2002, pp. 1390-1396.
9. "The Influence of Persuasion, Training, and Experience on User Perceptions and Acceptance of IT Innovation," Weidong Xia and Gwanhoo Lee, *The 21st International Conference on Information Systems, Brisbane, Australia*, December 2000, pp. 371-384.

## Invited Presentations

1. "The Effect of Process Ambidexterity on the Success of Distributed Information Systems Development," School of Information, Yonsei University, Korea, June 2009
2. "The Effect of Process Ambidexterity on the Success of Distributed Information Systems Development," School of Business, Seoul National University, Korea, June 2009
3. "The Effect of Process Ambidexterity on the Success of Distributed Information Systems Development," School of Business, Seoul National University, Korea, May 2009
4. "The New Leadership in the Global and Digital Economy," Sookmyung Women's University, May 2009
5. "Ambidextrous Project Management in Rapidly Changing and Highly Complex Environments," Project Management Conference for the Defense Industry, IDGA (Institute for Defense and Government Advancement), Washington, D.C., March 31, 2009
6. "Breaking the Code: Effective CIOs," Samsung SDS, Korea, 2007
7. "Software Team Flexibility: An Empirical Study of its Constructs, Determinants, and Effects," Seoul National University, Korea, 2007
8. "CIO Agenda," Sookmyung Women's University, 2006
9. "Leaders in the Global, Information Economy," keynote speech for the 100<sup>th</sup> anniversary alumni conference for the Washington Chapter of Sookmyung Women's University, 2006.
10. "Information Systems Research: Past, Present, and Future," Seoul National University, Korea, 2004
11. "The Flexibility and Complexity of Information Systems Development Projects: Conceptual Frameworks, Measures, and Empirical Tests," University of British Columbia, Canada, 2003
12. "The Flexibility and Complexity of Information Systems Development Projects: Conceptual Frameworks, Measures, and Empirical Tests," Lehigh University, PA, 2003
13. "The Flexibility and Complexity of Information Systems Development Projects: Conceptual Frameworks, Measures, and Empirical Tests," Syracuse University, NY, 2003
14. "The Flexibility and Complexity of Information Systems Development Projects: Conceptual Frameworks, Measures, and Empirical Tests," Tulane University, 2003

## Papers under Review

1. "The Effects of Persuasion, User Training, and Use Experience on Changing User Perceptions of IT Innovation: A Longitudinal Study," Gwanhoo Lee and Weidong Xia, *European Journal of Information Systems* (revising for 2<sup>nd</sup> round review)
2. "The Effect of Process Ambidexterity on the Success of Distributed Information Systems Development," Gwanhoo Lee, J. Alberto Espinosa, and William H. DeLone, *Information Systems Research* (being revised for resubmission)

## Research in Progress

1. “A Case Study on Open Innovation at Pfizer,” Gwanhoo Lee, Roopa Unnikrishnan (Pfizer), Steve Jordan (Pfizer), Youngjin Yoo (Temple U.), and George Westerman (MIT Sloan), *data is being collected*.
2. “The Boundary Conditions for Agile Software Development: A Simulation Approach,” Jungpil Hahn (Purdue U.) and Gwanhoo Lee, *a simulation model is being developed*.
3. “Project Complexity, Project Control Mode, and Outsourcing Success,” Dong-Gil Ko (U. of Cincinnati), Weidong Xia (Florida International U.), and Gwanhoo Lee, *data collection has been completed*
4. “The Conceptual Framework and Measures for Global Boundary Complexity,” J. Alberto Espinosa, Gwanhoo Lee, and William H. DeLone, *data is being analyzed*.

## Teaching

### *American University*

#### Spring 2009

- ITEC643, Project Management and Business Processes, MBA level, 32 students enrolled, 3 credit hours
- ITEC 350, Corporate Information Strategy and Management, undergraduate level, 23 students enrolled, 3 credit hours

#### Fall 2008

- ITEC 200 (two sections), The Edge of Information Technology, undergraduate level, 68 students enrolled for two sections, 3 credit hours – student evaluation of teaching: 5.9/7, 5.6/7

#### Spring 2008

- ITEC643, Consulting Project Management and Enterprise Processes/Systems, MBA level, 12 students enrolled, 3 credit hours – student evaluation of teaching: 6.4/7
- ITEC 350, Corporate Information Strategy and Management, undergraduate level, 28 students enrolled, 3 credit hours – student evaluation of teaching: 6.1/7

#### Fall 2007

- ITEC643, Consulting Project Management and Enterprise Processes/Systems, MBA level, 10 students enrolled, 3 credit hours – student evaluation of teaching: 6.1/7
- ITEC 200, The Edge of Information Technology, undergraduate level, 35 students enrolled, 3 credit hours – student evaluation of teaching: 5.4/7

#### Spring 2007

- ITEC643, Consulting Project Management and Enterprise Processes/Systems, MBA level, 12 students enrolled, 3 credit hours, – student evaluation of teaching: 6.3/7
- ITEC 350, Management Information Systems, undergraduate level, 11 students enrolled, 3 credit hours, – student evaluation of teaching: 6.4/7

#### Fall 2006

- ITEC643, Consulting Project Management and Enterprise Processes/Systems, MBA level, 14 students enrolled, 3 credit hours – student evaluation of teaching: 5.9/7
- ITEC 200, The Edge of Information Technology, undergraduate level, 35 students enrolled, 3 credit hours – student evaluation of teaching: 5.9/7

#### Summer 2006

- ITEC 352, Introduction to Management Information Systems, undergraduate level, 19 students enrolled, 3 credit hours – student evaluation of teaching: 5.3/6

#### Spring 2006

- ITEC644A, Project Management, MBA level, 21 students enrolled, 1.5 credit hours – student evaluation of teaching: 5.5/6
- ITEC643B, Enterprise Process and Systems, MBA level, 19 students enrolled, 1.5 credit hours – student evaluation of teaching: 5.3/ 6
- ITEC 352, Introduction to Management Information Systems, undergraduate level, 35 students enrolled, 3 credit hours – student evaluation of teaching: 5.1/ 6

#### Spring 2005

- ITEC 352 (two sections), Introduction to Management Information Systems, undergraduate level, 74 students enrolled for two sections, 3 credit hours – student evaluation of teaching: 5.0/ 6, 5.3/ 6

#### Fall 2004

- ITEC 352 (two sections), Introduction to Management Information Systems, undergraduate level, 69 students enrolled for two sections, 3 credit hours – student evaluation of teaching: 5.3/ 6, 5.1/ 6

#### Spring 2003

- ITEC 352 (two sections), Introduction to Management Information Systems, undergraduate level, 68 students enrolled for two sections, 3 credit hours – student evaluation of teaching: 5.3 / 6, 5.2 / 6

#### Fall 2003

- ITEC 352, Introduction to Management Information Systems, undergraduate level, 20 students enrolled, 3 credit hours – student evaluation of teaching: 5.1 / 6

### *University of Minnesota, Twin Cities*

#### Summer 2002

- IDSc 6202, Management of Information Systems Development, MBA level, 18 students enrolled, 3 credit hours – student evaluation of teaching: 5.3 / 7

#### Spring 2001

- IDSc 3202, Analytical Skill for Business Application Development, undergraduate level, 18 students enrolled, 4 credit hours – student evaluation of teaching: 6.6 / 7 (I received a teaching award for this class.)

### **Service at American University**

1. MBA Curriculum Task Force, Spring 2009
2. The Faculty Senate's Committee on Information Services, Spring 2009
3. Associate Director, Center for Information Technology and the Global Economy, Fall 2006 to present
4. Educational Policy Committee, Fall 2006 to Spring 2007
5. Academic Integrity Committee, Fall 2005, Spring 2006
6. Coordinator of the Information Technology Department's research seminar for Fall 2004 to present.
7. Faculty advisor for the Korean Student Association, a student club of American University for Fall 2003 to present
8. Faculty advisor for the Korean Bible Study club, a student club of American University for Fall 2004 to Fall 2007

## External Service

NSF (National Science Foundation)

- Panelist for reviewing proposals for the program “CISE Pathways to Revitalized Undergraduate Computing Education (CPATH),” April 2007

Editorial services

- Associate Editor, Asian Pacific Journal of Information Systems, 2009 - present
- Associate Editor, International Conference on Information Systems, 2009
- Associate Editor, OCIS Division, Academy of Management Meeting, Anaheim, CA August 2008
- Proceeding Editor, International Consortium for Electronic Business, Big Island, HI, September 2008

Reviewer for refereed journals including:

- MIS Quarterly
- Information Systems Research
- Journal of Management Information Systems
- Management Science
- Communications of the ACM
- European Journal of Information Systems
- IEEE Transaction on Engineering Management
- Journal of Strategic Information Systems
- IEEE Software
- Communications of AIS
- Information Technology & People
- Electronic Markets – the International Journal
- Electronic Commerce Research and Applications
- Management Research News

Reviewer for refereed conferences including:

- ICIS 2001, 2002, 2005, 2006, 2007, 2009
- HICSS 2000, 2001, 2002, 2005, 2006, 2007
- Academy of Management Meeting 2007, 2008
- AMCIS 2002
- PACIS 2005
- IRMA 2003
- CaiSE/IFIP8.1 International Workshop on Evaluation of Modeling Methods in Systems Analysis and Design 2002
- Academy of International Business 1999

Discussant for refereed conferences including:

- Academy of Management Meeting, Anaheim, CA August 2008

Moderator for refereed conferences including:

- Academy of Management Meeting, Anaheim, CA August 2008

Other professional services

- Treasurer, ICKS (International Council on Korean Studies), December 2008 – present

## Honors and Awards

1. First Runner-up Best Paper Award from OCIS (Organizational Communication and Information Systems) Division at the Academy of Management, Philadelphia, Pennsylvania, August 2007
2. Listed in the AcademicKeys Who's Who in Business Higher Education, 2005
3. Kogod Achievement Award for Outstanding Research, American University, 2005-2006
4. UPS Scholar, 2004 – present
5. Kogod Endowed Fellow, 2004 – present
6. *Phi Kappa Phi* member
7. Honorable mention, The Best Instructor in the MIS Major, University of Minnesota, 2002
8. ICIS Doctoral Consortium Fellow, 2001
9. Teaching Award, Carlson School of Management, University of Minnesota, August 2001
10. Juran Fellow Award, Juran Center for Leadership in Quality, 2001
11. Doctoral Dissertation Fellowship, Carlson School of Management, 2001

## Research Grants

1. Kogod Research Grants, \$11,650, 2009-2010
2. Raised research grants with Dr. DeLone for Center for IT and the Global Economy, American University, \$80,000, 2007-2008
3. Center for IT and the Global Economy, American University, \$2K, 2005
4. Juran Center for Leadership in Quality, \$5K, 2001
5. Special Grant for Dissertation Research, University of Minnesota, \$2K, 2001
6. Research Support by Minnesota CIO Consortium, \$10K, 1999-2003

## Media Presence

1. CIO magazine, Dec. 1, 2006, p. 16, Comments and opinions on outsourcing

## Work Experience

Samsung Electronics (Semiconductor Division), South Korea, 1993 – 1998

- SAP R/3 consultant, 1998
- Project Manager: Development of Executive Information Systems, 1997 – 1998
- IT Manager: IT Strategic Planning, Management of BPR Projects, 1995 – 1997
- Industrial Engineer: Simulation Modeling & OR Application, 1994 – 1995
- System Analyst: Development of Manufacturing Information Systems, 1993 – 1994

## Professional Certification

- Certified Application Developer, SAP R3 Enterprise Resource Planning Software (Sales and Distribution Module)