Baeho Kim **Curriculum Vitae**

Contact Information

Korea University Business School
Korea University
524 Hyundai Motor Hall
Anam-dong, Sungbuk-gu
Seoul, Republic of Korea, 136-701

Office: +82-2-3290-2626
Fax: +82-2-922-7220
E-mail: baehokim@korea.ac.kr
Web: http://biz.korea.ac.kr/~baehokim

Academic Appointments

Associate Professor of Finance — March 2015 – Present
Korea University Business School (KUBS), Korea University

Assistant Professor of Finance — March 2010 – February 2015
Korea University Business School (KUBS), Korea University

Education

Ph.D., Stanford University, Stanford, CA, USA — March 2010
Department of Management Science and Engineering
Concentration: *Economics and Finance*
Dissertation: *Essays in Portfolio Credit Risk*
Supervisor: Professor Kay Giesecke

M.S., Stanford University, Stanford, CA, USA — January 2008
Financial Mathematics

B.S., POSTECH, Pohang, Republic of Korea — February 2003
Department of Industrial and Management Engineering
Department of Computer Science and Engineering
Graduated with double major (Summa Cum Laude)

Refereed Journal Publications

Optimal Credit Swap Portfolios, *Management Science*, 60(9), 2291-2307, 2014 (with K. Giesecke, J. Kim and G. Tsoukalas)

Systematic Cyclicality of Systemic Bubbles: Evidence from the U.S. Commercial Banking System, *Journal of Macroeconomics*, 42(3), 281-297, 2014 (with M.H. Kim)

- Winner of the Korea Development Bank Outstanding Paper Award at the 9th International Conference on Asia-Pacific Financial Markets (2014. 12)

Monte Carlo Algorithms For Default Timing Problems, *Management Science*, 57(12), 2115-2129, 2011 (with K. Giesecke and S. Zhu)

Systemic Risk: What Defaults are Telling Us, *Management Science*, 57(8), 1387-1405, 2011 (with K. Giesecke)

Premia for Correlated Default Risk, *Journal of Economic Dynamics & Control*, 35(8), 1340-1357, 2011 (with S. Azizpour and K. Giesecke)

Risk Analysis of Collateralized Debt Obligations, *Operations Research*, 59(1), 32-49, 2011 (with K. Giesecke)

Conference Publications

Estimating Tranche Spreads by Loss Process Simulation
Proceedings of the 2007 Winter Simulation Conference, 2007, IEEE Press
(with K. Giesecke)

Working Papers

Default Probabilities and Interest Charges of Privately Held Firms
(with J.C. Duan, C. Kim, W. Kim and D. Shin)

- Winner of Hana Daetoo Securities Co., Ltd. Outstanding Paper Award at the 8th International Conference on Asia-Pacific Financial Markets (2013. 12)

Liquidity and Credit Risk Before and after the Global Financial Crisis: Evidence from the Korean Corporate Bond Market (with D. Shin)

Systemic Leverage as a Macroprudential Indicator (with S.C. Ryoo)

Selected Honors and Awards

The Korea Development Bank Outstanding Paper Award (2014. 12)
Korean Securities Association & The Korea Development Bank

SK-SUPEX Research Fellow (2014. 4 – Present)
Korea University

Hana Daetoo Securities Co., Ltd. Outstanding Paper Award (2013. 12)
Korean Securities Association & Hana Daetoo Securities Co., Ltd.

SK Distinguished Research Award (2013. 11)
Korea University Business School

Seok-Top Award for Excellence in Teaching (2012. 11)
Korea University

Research Grant funded by the Korean Government (2012. 5 - 2013. 4)
The National Research Foundation of Korea

Outstanding Research Paper Award (2012. 5)
The National Research Foundation of Korea

Seok-Top Award for Excellence in Teaching (2011. 11)
Korea University

SK Distinguished Research Award (2011. 9)
Korea University Business School

SK Distinguished Research Award (2011. 4)
Korea University Business School

IBRE Distinguished Research Award (2011. 4)
Korea University Business School

Seok-Top Award for Excellence in Teaching (2010. 11)
Korea University

Samsung Scholarship for Doctoral Students (2005. 9 – 2009. 8)
Samsung Scholarship Foundation

Presidential Award for Honor Students (2003. 2)
Deputy Prime Minister and Minister of the Ministry of Education and Human Resources Development, Republic of Korea

Official commendation for the graduate of the greatest distinction (2003. 2)
The President of POSTECH

Teaching Experience

Futures and Options Markets (Undergraduate)
Investments (Undergraduate, Global MBA)
Options and Futures (Graduate)
Derivative Securities (Finance MBA)
Derivatives (Global MBA)
Special Topics in Finance III (Graduate)

Work Experience

Review Committee on Approval of Banks' Internal Risk Assessment Methods, Financial Supervisory Service, Korea

Committee Member June 2013 – Present

Risk Management Institute (RMI), National University of Singapore, Singapore

Visiting Senior Research Fellow July 2011 – August 2011

- Participated in a joint research project
- Title: Default Probabilities and Interest Expenses of Privately Held Firms

Monetary and Capital Markets Department, International Monetary Fund (IMF), USA

Short-term Expert September 2009 – October 2009

- Participated in a technical assistance mission of the IMF as a risk-modeling advisor to the Bank Negara Malaysia
- Topic: Systemic Risk in Malaysia

Analytics Research Department, MSCI Barra, Inc., Berkeley, USA

Full-time Summer Intern July 2007 – September 2007

- Participated in the Full-time Summer Internship Program
- Topic: An Empirical Study of Risk Factors in the Single-tranche CDO Market

Capital Markets Business Division, Samsung Securities Co. LTD., Seoul, Korea

Full-time Summer Intern June 2006 – August 2006

- Participated in the Full-time Summer Internship Program
- Topic: Option Pricing with Stochastic Volatility Models

Department of Money and Finance, Samsung Economic Research Institute, Seoul, Korea

Research Analyst April 2005 – August 2005

Ad-hoc Referee Service

Operations Research, Journal of Banking and Finance, Review of Finance, Journal of Economic Dynamics and Control, SIAM Journal on Financial Mathematics, European Financial Management, Pacific-Basin Finance Journal, Asia-Pacific Journal of Financial Studies, Economic Modelling, Journal of Money and Finance, Korean Journal of Financial Studies, Seoul Journal of Business

Selected Invited Presentations

Research Presentations at Conferences

- The 1st World Conference on Risk, Banking and Finance 2015, Tokyo, Japan (2015. 1)
- Paris Financial Management Conference, Paris, France (2014. 12)
- Asian Finance Association Annual Conference, Bali, Indonesia (2014. 6)
- The 8th International Conference on Asia-Pacific Financial Markets, Seoul, Korea (2013. 12)
- Financial Management Association's Annual Meeting, Chicago, Illinois, USA (2013. 10)
- The 2nd International Conference on Credit Analysis and Risk Management, Basel, Switzerland (2013. 9)
- The 9th conference of the Asia-Pacific Association of Derivatives, Busan, Korea (2013. 8)
- The 25th Australasian Finance and Banking Conference, Sydney, Australia (2012. 12)
- The 8th conference of the Asia-Pacific Association of Derivatives, Busan, Korea (2012. 8)
- The 6th Annual Risk Management Conference: Risk Management Responses to Rising Systematic and Systemic Risks, Singapore (2012. 7)
- The 6th International Conference on Asia-Pacific Financial Markets, Seoul, Korea (2011. 12)
- Asian Meeting of the Economietric Society, Seoul, Korea (2011. 8)
- The 23rd Australasian Finance and Banking Conference, Sydney, Australia (2010. 12)
- The 13th Conference of the ECB-CFS research network on Macro-prudential regulation as an approach to contain systemic risk: economic foundations, diagnostic tools and policy instruments, Frankfurt, Germany (2010. 9)
- The 4th Annual Risk Management Conference: The Risk Management Paradigm in the Post-Crisis Era, Singapore (2010. 7)
- HKIMR-BIS Conference on Financial Stability: Towards a Macroprudential Approach, Hong Kong, China (2010. 7)
- The 12th Annual Financial Econometrics Conference: Volatility and systemic risk in global capital markets, Waterloo, Canada (2010. 3)
- IMF Workshop on Assessing the Systemic Implications of Financial Linkages, Kuala Lumpur, Malaysia (2009. 9)

Invited Academic Seminar Presentations

2014 UNIST, KAIST College of Business, The Bank of Korea, Seoul National University

2013 Nankai University, KAIST College of Business, The Bank of Korea, Korea University Business School

2012 The Bank of Korea, The Korea Money and Finance Association, Korea University Business School, Seoul National University, Sungkyunkwan University

2011 National University of Singapore, KAIST College of Business, Korea University, The University of Seoul, Yonsei University School of Business, The Bank of Korea, Korea Deposit Insurance Corporation

2010 Seoul National University, Korea University Business School, Ajou University, POSTECH, Global Association of Risk Professionals

2009 Korea University Business School

Discussions / Other Presentations

- Paris Financial Management Conference, Paris, France (2014. 12)
- International Forum for Specialists on Public Pension Fund Management, National Pension Servies, Seoul, Korea (2014. 11)
- Asian Finance Association Annual Conference, Bali, Indonesia (2014. 6)
- The 8th International Conference on Asia-Pacific Financial Markets, Seoul, Korea (2013. 12)
- The 25th Australasian Finance and Banking Conference, Sydney, Australia (2012. 12)
- The 8th conference of the Asia-Pacific Association of Derivatives, Busan, Korea (2012. 8)
- The 6th Annual Risk Management Conference: Risk Management Responses to Rising Systematic and Systemic Risks, Singapore (2012. 7)
- The 6th International Conference on Asia-Pacific Financial Markets, Seoul, Korea (2011. 12)
- Financial Stability Forum, The Bank of Korea, Seoul, Korea (2011. 9)
- The 7th conference of the Asia-Pacific Association of Derivatives, Busan, Korea (2011. 8)
- The 5th Annual Risk Management Conference: Global Imbalances and Their Risk Management Implication, Singapore (2011. 7)
- BOK-BIS Conference on Macroprudential Regulation and Policy, Seoul, Korea (2011. 1)
- The 23rd Australasian Finance and Banking Conference, Sydney, Australia (2010. 12)
- The 5th International Conference on Asia-Pacific Financial Markets, Seoul, Korea (2010. 12)
- The 6th conference of the Asia-Pacific Association of Derivatives, Busan, Korea (2010. 8)
- The 4th Annual Risk Management Conference: The Risk Management Paradigm in the Post-Crisis Era, Singapore (2010. 7)