Kwangwon Ahn

750, HSBC Business School, Peking University
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Research Interests

Economics & Finance: Asset Pricing, Computational Economics, Macroeconomics
Physics: Complex Systems, Quantum Mechanics
Statistics: Bayesian Inference, Reliability, Survival Analysis

Appointments

Assistant Professor of Finance, Peking University HSBC Business School, 2013-Present
Fellow, Peking University Center for Green Economy, 2013-Present
Visiting Scholar, Oxford University Saïd Business School, 2013-Present
Visiting Scientist, KIST Centre for Computational Science, 2014-Present

Education

University of Oxford, 2009-2013/2007-2008
- DPhil/MSc in Financial Economics
- Thesis: Dynamic Stochastic General Equilibrium Models with Money, Default and Collateral

Massachusetts Institute of Technology (MIT), 2005-2007
- PhD (incomplete) in Nuclear Science & Engineering

Harvard University, 2004-2005
- AM in Statistics

Seoul National University, 1996-2000
- BS in Nuclear Engineering

Research Experience

University of Oxford
- Research Assistant, Dr. Basak Yakis-Doughlas, 2009-2013
- Research Assistant, Prof. Dimitrios Tsomocos, 2010, 2012
- Research Assistant, Prof. Richard Whittington, 2010-2013

MIT
- Research Assistant, Prof. Mujid Kazimi, 2005-2007
- Visiting Engineer, Duke Engineering Program, Winter 2001

Korea Atomic Energy Research Institute
- Research Student, Integrated Safety Assessment Group, 2000-2001

Teaching Experience

Instructor
- Applied Stochastic Processes (Peking University)
  - Evaluation: 100.0/100.0 (2014M2), 99.58/100.0 (2013M2)
- Numerical Methods and Analysis (Peking University)
  - Evaluation: 95.28/100.0 (2015M3), 99.46/100.0 (2014M4)
- Business Mathematics (Peking University)
  - Evaluation: 65.40/100.0 (2013M1)
- Fixed Income and Derivatives (Magdalene College, Cambridge)
  - Evaluation: 4.85/5.00 (Summer 2013)

Tutor

St. Catherine's College, University of Oxford, 2009-2013

Financial Mathematics, Fixed Income and Derivatives, Mathematical Economics, Financial Econometrics, Introduction to Econometrics, Quantitative Economics

Worcester College, University of Oxford, Michaelmas 2012

Investment Theory

Oxford Programme, University of Georgia, Michaelmas 2012

Financial Management

Doctoral Teaching Fellow

Saïd Business School, University of Oxford, 2009-2013

Fixed Income and Derivatives, Continuous-Time Finance, Financial Risk Management, Finance I, Derivatives, Remedial Mathematics and Statics

Course Assistant

Department of Statistics, Harvard University, Summer 2006

Recent Advances in Computational Finance

Teaching Fellow

Department of Statistics, Harvard University, Fall 2004

Introduction to Quantitative Methods

Teaching Assistant

Department of Nuclear Engineering, Seoul National University, 2000-2001

Nuclear Reactor Physics I, Nuclear Reactor Physics II

Working Papers

Cash-in-advance framework against the Quantity Theory of Money
(w) Lee, D. (Submitted)

Measuring financial fragility in China
(w) Dai, J., Kim, C., Tsomocos, D. (Submitted)

A survey of agent-based models in financial market studies
(w) Choi, M., Kim, C., Lee, K. (Submitted)

The cost of default in a cash-in-advance economy
(w) Kim, C., Lee, D., Li, L.

The origin of power-laws in analyst forecastings
(w) Choi, M., Kim, C., Kim, D., Lin, A. (Submitted)

Monetary uncertainty and default
(w) Kim, C., Tsomocos, D., Wang, L. (PHBS Working Paper)

Opening M&A strategy to investors
(w) Yakis-Douglas, B., Angwin, D., Meadows, M. (R&R, Long Range Planning)

Combating the 'Uniqueness Paradox' in strategy
(w) Yakis-Douglas, B., Angwin, D., Meadows, M. (Submitted)

A dynamic general equilibrium model to analyse financial stability
(w) Tsomocos, D.

Disaster risk and default
(w) Kim, C., Song, Y.

Collateral, default and asset prices
(w) Kim, C., Tsomocos, D.

Comparison of Silicon Carbide and Zircaloy4 cladding during LBLOCA
Unpublished Manuscript (MIT)

Work in Progress

Measuring systemic risk with Heston model: A case of China
(w) Dai, J., Kim, C.

Systemic risk and financial system structure in China
(w) Kim, C., Kim, D., Lin, A.

A quantum model for asset pricing
(w) Kim, C., Dai, J., Zhang, B.

Monetary uncertainty and international business cycle
(w) Choi, M., Kim, C., Li, L.

What determines the price discovery of multi-listed stocks?
(w) Choi, M., Lee, J., Li, L.

A dynamic model of closed-end fund discounts with noise trader risk
(w) Choi, M., Han, J.

Notes on Black-Scholes PDE (Book)
Optimal security design under asymmetric information

Publications

Just talk? Strategy presentations as a form of CEO impression management
(w) Whittington, R., Yakis-Douglas, B.
Strategic Management Journal, Forthcoming

Strategic planners in more turbulent times
(w) Whittington, R., Yakis-Douglas, B., Cailluet, L.
Long Range Planning, Forthcoming

Voluntary disclosures as a form of impression management to reduce uncertainty during M&A
(w) Yakis-Douglas, B., Angwin, D., Meadows, M.
Academy of Management Best Paper Proceedings, 2014

Assessment of Silicon Carbide cladding for high performance light water reactors
(w) Carpenter, D., Kao, S., Hejzlar, P., Kazimi, M.
Nuclear Fuel Cycle Program (book series), MIT-NFC-TR-098, MIT CANES, 2007

A comparison of Passive vs. Active systems for advanced light water reactors
(w) Eul, R., Kao, S., Hejzlar, P., Kazimi, M.
Advanced Nuclear Power Program (book series), MIT-ANP-TR-111, MIT CANES, 2006

Seminar/ Conference Presentations

15th SAET Conference on Current Trends in Economics, Cambridge, UK, July 2015
8th China Finance Review International Conference, Shanghai, China, July 2015
14th China Economics Annual Conference, Shenzhen, China, Dec. 2014
Workshop in Financial Economics, Higher School of Economics, Moscow, Russia, Nov. 2014
Summer Workshop in Economic Theory, Paris School of Economics, France, July 2013
13th SAET Conference on Current Trends in Economics, MINES Paris Tech, France, July 2013
Manchester Workshop on Economic Theory, Manchester, UK, June 2013
XXII European Workshop on General Equilibrium Theory, Vienna, Austria, May 2013
Department of Management Science, KAIST, Daejon, Korea, Feb. 2013
ICEF, Higher School of Economics, Moscow, Russia, Feb. 2013
Winter Doctoral Conference, Saïd Business School, Oxford, UK, Jan. 2013
Economics and Joint Schools, Somerville College, Oxford, UK, June 2012
3rd Global Conference on Economic Geography, Seoul, Korea, June 2011

11th SAET Conference, Ancao (Faro), Portugal, May 2011
Computational Science Centre, KIST, Seoul, Korea, Feb. 2011
Winter Doctoral Conference, Saïd Business School, Oxford, UK, Dec. 2010
Internal Finance Seminar, Saïd Business School, Oxford, UK, Oct. 2009

Honors and Awards

Final Year Scholarship, Saïd Foundation, University of Oxford, 2012-2013
Research Funds, Saïd Foundation, University of Oxford, 2010-2012
SEIB Research Funds, Saïd Business School, University of Oxford, 2011
Millman Foundation Funds, New College, University of Oxford, 2011
Doctorate Sponsorship, SCIEMUS Ltd., 2009-2010
Graduate Scholarship, Korean American Scholarship Foundation, 2006
Overseas Scholarship, ILJU Foundation, 2004-2009
Overseas Scholarship, Korean Government, 2004-2005

Other Employment

Consultant, Korea Radiation Safety Foundation, 2013-Present
Quantitative Analyst, Research Division, SCIEMUS Ltd., 2008-2009
Internship, Global Investment Division, Korea Life Insurance, Summer 2005
Software Engineer (Military Service), WOORI Tech Inc., 2002-2004

Skills

Languages
Korean, Fluent in English

Computer Languages and Statistical Packages
C/C++, MATLAB, STATA, SAS, R

Database
CRSP, COMPUSTAT, WIND

Editing Skills
HTML, Lyx, Origin, Tex

Services

Research Committee
Peking University HSBC Business School, 2013-Present

Referee Service
Journal of Economic Policy Reform
British Journal of Interdisciplinary Studies

References

Dimitrios Tsomocos
Reader in Finance, Saïd Business School, University of Oxford
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Richard Whittington
Professor of Strategic Management, Saïd Business School, University of Oxford
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Moo Young Choi
Professor of Physics, Department of Physics, Seoul National University
mychoi@phya.snu.ac.kr; +82-2-880-6615