Myung K Lee

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Education

Jan 1997 – Aug 1981, Ph.D. in Operations Research, Polytechnic Institute of New York University (NYU-Poly) Brooklyn, New York

Mar 1973 – Aug 1975, MS in Industrial Engineering, Korea Advance Institute of Science Seoul, Korea

Mar 1969 – Feb 1973, BS in Industrial Engineering, College of Engineering at Seoul National University, Seoul, Korea

1966 – 1969, Seoul High School, Seoul, Korea

Teaching Experience

September 2015 – Present, Visiting Professor at SolBridge International School of Business, Daejon, Korea

- Fall of 2016 - Financial Math and Modeling, Quantitative Methods
- Summer of 2016 – Finance Simulation
- Spring of 2016 - Investment Analysis, Quantitative Methods
- Fall of 2015 – Financial Math and Modeling, Quantitative Methods

October 2014 – August 2015, Adjunct Professor, Quinlan School of Business, Loyola University, Chicago

- Financial Mathematics and Modeling – Spring Quarter of 2015
- Planned to teach "Derivatives Securities" – Winter Quarter of 2015

1997– 1998, "Futures & Options", Dept of Economics, SoongSil University, Seoul Korea

1982-1983, "Operations Research", Dept of Statistics, Korea University, Seoul, Korea

1981-1982, "Management: Theory and Practice", Dept of Management, Kyungki College

Lectures and Speaking Engagement at International Conference

Hedge Funds Korea 2008, "**CTAs—Will They be a Better Alternative for Korean Investors?**" October 2008, Seoul, Korea.

Workshop for KOFA. "**Key Issues and Recent Survey on Hedge Fund Industry**", April 2008. Seoul, Korea.

Seminar for KSRI and KARP. “**Risk Analysis and Effective Investment into Hedge Funds through Due Diligence**”, October 2007, Seoul, Korea.

Panel Moderator, Funds World China 2008. “**QFII: Challenges for foreign business operating in China as complexity builds up in the investment climate**”,March 2008, Shanghai, China.

Panel Moderator, Funds World Korea 2007. “**The Investor’s allocation trends and expectation in Korea**” November 2007, Seoul, Korea.

Panelist, Hedge Funds Singapore, “**CTA’s in 2007- Worth The Risk?**” November 2007, Singapore.

Funds World Korea 2006, “**Two Key Risks in Korea’s Fund Market**”, November 2006, Seoul, Korea.

Work Experience

Efficient Capital Management, Naperville, Illinois **Feb 2013 – Mar 2015**
Senior Advisor for Business Development, Asia

Efficient Capital Management, Naperville, Illinois **Feb 2000 – Jan 2013**
Senior Vice President of Product Research & Development

- Worked directly with C Level individuals to grow start up company to 40 employees with US$2billion
- Presentation of findings and recommendation to executive team regarding products/services strategies
- Mentor and manage team members (directly managed 5-10 during “peak” years)
- Present data to internal clients (managers) for selection and allocation of funds to optimize portfolio and profit
- Perform statistical and quantitative analysis for financial market trading, manager evaluation and Portfolio construction by using extensive quantitative tools and programming skills
- Financial modeling utilizing statistical techniques and tools
- Data management to include advanced analytics and QA (ensuring integrity of data)
- Conduct trend, comparative, pattern and performance analysis for internal and external clients of company (investment partners)
- Conduct market research on competitor pricing/products
- Evaluate processes and systems to ensure efficiency and improvement for data mining, collection and reporting
- Develop and innovate the methodologies for practical/constructive way for formulating portfolios

Bethlehem Steel Mill, Burns Harbor, Indiana **Sep 1998 – Jan 2000**
Statistician at Consulting firm

- Prediction modeling for energy consumption/pattern by utilizing SAS
- Extensive database work to include importing/exporting within Excel and Access

Futures Company of Korea Development Bank, Seoul, Korea **Sep 1997 – Aug 1998**
Executive Director for Operation

- Direct staff of 10 for preparation and operation of company
- Educating staff on global financial market
- Develop network for client/business development
- KDB closed the firm due to IMF Crisis

Tong Yang Futures America, Chicago, Illinois May 1994 – Apr 1997
Executive Director, to found trading Unit

- Develop real time trading system and quantitative trading models based on different trading strategies
- Apply extensive statistical/simulation work for market analysis and model building
- Present paper regarding application "Artificial Intelligence Neural Network model"
- Hire traders and programmers, and manage staff of ten

Waldner & Company, Oak Brook, Illinois Jan 1985 – Apr 1994
Director of Research and Trading System

- Real-time trading modeling for trading and quantitative analytics for real time trading models
- Innovate new methodologies for trading model – pattern recognition model
- Direct staff of three for managing computer system and software
- Implementing newly developed models for real trading and portfolio rebalancing

Department of Mental Health, Richmond, Virginia Jan 1984 – Dec 1984
Statistician

- Test null-hypothesis for finding out critical environment/factors for analyzing death rate of patients
- Extensive work on SPSS for Commissioner's project completion

Energy Research Institute, Seoul, Korea Jan 1983 – Dec 1983
Division Head for Electricity Policy Development

Center for Energy Systems, Brookhaven National Laboratory
Upton, New York Jan 1977 – Aug 1981 Research Associate

- Energy network model linked to macro-economy and Econometric forecasting model for energy demand
- Developing econometric models by using SPSS for forecasting energy demand linked to nations' economy growth
- Build an integrated modeling framework by linking several sub-models – macro economy model, network model and optimization model

Publication

Myung K Lee, “A Comparative Study on the Relationship between Oil Prices and Real Effective Exchange Rates: Evidence from Four APEC Economics”, forthcoming Journal of APEC Studies, December 2016

Myung K Lee, “Risk Analysis and Effective Strategy for Hedge Fund Investment”, Working Report 07-06, Korea Securities Association and Korea Risk Management Association, Nov 2007

Myung K Lee, “Trading S&P 500 Stock Index Futures Using a Neural Network”, Proceedings of Artificial Intelligence Application On Wall Street, June 1995, New York

Myung K Lee, “Korea Electric Sector Investment”, Journal of Economics Development, Vol. 7, No. 1, July 1982

Myung K Lee, “An Integrated Framework for Analysis: Electric Sector expansion in Developing Countries, Ph.D. Dissertation, June 1982, Polytechnic Institute of New York, Brooklyn, New York

Skills

Excel, Visual Basic & Macro modeling, SQL, C, SAS, R, SPSS, Optimization Algorithm

Membership & License

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