

The Second Annual Shanghai Risk Forum

Host:

Shanghai Risk Forum

Organizer:

School of Finance,
Shanghai University of Finance and Economics

Sponsors:

Pacific-Basin Finance Journal
School of Economics, Fudan University
"Risk-taking and Corporate Governance
" Research Innovation Group, SHUFE
Munich Re Group
Sinofin Financial Service Ltd.









Mail Add: Yuxiu Building, Wudong Road 100, Shanghai, China

Tel: +86 21 65904556

December 18, 2016 Shanghai, China

存務條學



CONTENTS

- **01** About the Forum
- **02** General Schedule
- **03** Detailed Program
- 11 Keynote Speaker
- 12 Industry Panelist Introduction
- 18 Participants of Job Fair
- 19 Direction
- **20** Appendix

About the Forum

The Second Annual Shanghai Risk Forum (SRF) is held at the Shanghai University of Finance and Economics on December 18, 2016 in Shanghai, China. In the aftermath of 9/11, the 2007–09 global financial crisis, the debt crisis in some euro zone countries, and a series of very recent political events, risk and uncertainty have caught substantial attention of regulators, academia, and practitioners. Risk management becomes a center of post–crisis regulatory proposals.

The purpose of the forum is to promote research on risk, uncertainty, and risk management in the Asia-Pacific region, the Indian subcontinent, and around the world. It provides a platform for its members to exchange ideas and to collaborate with practitioners.

SRF currently has seven member institutes, including:

Shanghai University of Finance and Economics

Fudan University

Shanghai Jiao Tong University

Renmin University of China

East China Normal University

Shanghai University of International Business and Economics

Shanghai Lixin University of Accounting and Finance.

General Schedule

Program Schedule December 18th, 2016,3rd Floor, Baolong Hotel			
Time	Event		
08:15 – 08:45 AM	Registration		
08:45 – 09:00 AM	Introduction		
09:00 – 10:25 AM	Industry Panel Discussion		
10:25 – 10:45 AM	Photography; tea break		
10:45 – 12:25 PM	Concurrent Sessions (1st)		
12:25 - 13:00 PM	Buffet Lunch		
13:00 – 13:15 PM	Award Ceremony		
13:15 – 14:15 PM	Keynote speech		
14:30 - 16:10 PM	Concurrent Sessions (2nd)		
16:10 - 16:20 PM	Tea Break		
16:20 - 18:00 PM	Concurrent Sessions (3rd)		
17:45 – 20:00 PM	Closing Reception; Job Fair		

Detailed Program

The Second Annual Shanghai Risk Forum

Program				
	December 18th, 2016, 3rd Floor, Baolong Hotel			
	MORNING SESSION Hui Xin Hall (荟信厅)			
8:15 – 8:45 AM	Registration			
	Introduction	Xiaoneng Zhu		
8:45 – 9:00 AM	Hong Chen (陈宏)	Deputy Director of the Council of Shanghai University of Finance and Economics		
	Liya Liu (刘莉亚)	Executive Dean, School of Finance, Shanghai University of Finance and Economics		
	Industry Panel			
	Chair Chenyang Wei, AIG, Head of Credit Research Xingong (Scott) Chang Guangfa Securities, Chief Risk Officer Haiwei Li Invesco Greatwall Fund Management Co., Head of Quantitative and ET Investment Daniel (Tianyu) Lu State Street Corporation, Director of Risk Analytics and ERM Zhan (Samson) Shen Taiping Financial Holdings Company Limited, Chief			
9:00 - 10:25 AM				
10:25 – 10:45 AM	Photography; Tea Break			
10:45 - 12:25 AM	Session 1: Liquidity Risk and Bond Pricing Hui Zhi Hall (荟智厅)			
Concurrent Sessions (1st)	Moderator: Xiaoneng Zhu, Shanghai University of Finance and Economics			

Corporate Debt Illiquidity And Agency Costs

Rui Zhong, Central University of Finance and Economics

Jingzhi Huang, Penn State University Huayi Tang, Concordia University

Yuan Wang, Concordia University

Discussant: Ruoyan Huang, University of Hongkong

Liquidity-adjusted Capital Asset Pricing Model for Indian Stock Market Namitha K Cheriyan, School of Management, Pondicherry University

Daniel Lazar, Pondicherry University

Discussant: Qingbin Meng, Renmin University of China

Price Discovery in China's Inter-bank Bond Market

Qingbin Meng, Renmin University of China

Chunlin Liu, University of Nevada

Lei Wu, Beihang University

Discussant: Mark H. Liu, University of Kentucky

Crises and Rescues: Liquidity Transmission Through International Banks Cath é rine Koch, Bank for International Settlement (BIS)

Claudia Buch, Deutsche Bundesbank

Michael Koetter, Frankfurt School of Finance & Management

Discussant: Lifang Xu, Shanghai University of Finance and Economics

Session 2: Corporate Risk Taking Hui Ren Hall (荟仁厅)

Moderator:

10:45 - 12:25 AM

Concurrent Sessions

(1st)

Xiao Qin, Shanghai Jiaotong University

Short Selling Threats and Firm Risk-taking: Evidence from a Quasi-natural Experiment

Xiaoran Ni, Tsinghua University

Sirui Yin, University of Arizona

Discussant: Beibei Shen, Shanghai University of Finance and Economics

Heterogeneous Beliefs, Short-Sale Constraints and the Closed-End Fund Puzzle in Chinese Market

Zhiguang Cao, Shanghai University of Finance and Economics

Richard D. F. Harris, University of Exeter

Junmin Yang, Shanghai University of International Business and Economics Discussant: **Libing Fang**, Nanjing University

The Family Firm Puzzle:Why do US Family Owners Choose Concentrated Portfolios?

Nan Li, Shanghai Jiao Tong University

Ronald Anderson, Temple University

David M. Reeb, National University of Singapore

Discussant: Jin Yu, Shanghai University of Finance and Economics

Is It Safe or Shaky to Have Cash-Rich Suppliers?

Frank Chen, University of New Haven

Jianjun Jia, Shanghai Lixin University of Accounting and Finance

Jian Huang, Towson University

Discussant: **Zhen Wang**, Shanghai University of Finance and Economics

Session 3: Mortality, Weather, and Catastroph Risk Hui Li Hall (荟礼厅)

Moderator:

Ming-Hua Hsieh, National Chengchi University

China's Weather Indexes, Index Insurance and Index Futures

Bill Chen, University of the West

Xiaojun Pan, Southwest University for Nationalities

Bismark Addai, Southwest University for Nationalities

Chengyi Pu, Southwest University for Nationalities
Discussant: Liping Wang, Shanghai University of Finance and Economics

Mortality Risk Management under the Factor Copula Framework

Ming-Hua Hsieh, National Chengchi University

Jason Tsai, National Chengchi University

Jennifer Wang, National Chengchi University

Discussant: Wenge Zhu, Shanghai University of Finance and Economics

10:45 - 12:25 AM Concurrent Sessions (1st)

Optimal Liability Ratio and Dividend Payment Strategies under Catastrophic Risk

Linyi Qian, East China Normal University Lv Chen, East China Normal University

Zhuo Jin, University of Melbourne

Rongming Wang, East China Normal University

Discussant: Tong Fang, Central University of Finance and Economics

Experimental Research on Inadequate Insurance Against Low-Probability Disasters:From the Perspective of Renewal Decisions

Shaojie Zhu, Shanghai University of International Economics and Business Zhenhua Guo, Shanghai University of Economics and Business Wenge Zhu, Shanghai University of Finance and Economics Discussant: Ming-Hua Hsieh, National Chengchi University

Session 4: Credit Risk, CDS. Warrants Hui Xian Hall (荟贤厅)

Moderator:

Dragon Tang, University of Hong Kong

Predicting the risk of Financial Distress Using Corporate Governance Measures

Zhiyong Li, Southwestern University of Finance and Economics Jonathan Crook, Business School, University of Edinburgh

Galina Andreeva, University of Edinburgh

Discussant: Dan Luo, Shanghai University of Finance and Economics

10:45 – 12:25 AM Concurrent Sessions (1st)	Does the Market Structure Matter? Evidence From Chinese Warrants Market Wenjie Ma, Shanghai University of Finance and Economics Lei Lu, Peking University Xiong Xiong, Tianjin University Discussant: Songtao Wang, Shanghai Jiaotong University Does the Introduction of One Derivative Affect Another Derivative? The Effect of Credit Default Swaps Trading on Equity Options Dragon Tang, University of Hong Kong Jie Cao, The Hong Kong Polytechnic University Yong (Jimmy) Jin, The Hong Kong Polytechnic University Neil Pearson, University of Illinois at Urbana Champaign Discussant: Bing Han, University of Toronto			
12:25 – 13:00 PM	Lunch			
	AFTERNOON SESSION Hui Xian Hall (荟贤厅)			
13:00 – 13:15 PM	Award Ceremony	Tong Yu (University of Cincinnati)		
13:15 – 14:15 PM	Keynote speech	Ghon Rhee (University of Hawaii; Editor of PBFJ): Corporate Governance and Dividend Policy		
14: 15-14: 30PM	Tea Break			
	Session 5 : Asset/Mortgage Backed Securities; Financial Stability Hui Xian Hall (荟贤厅)			
	Moderator: Jiang Cheng, Shanghai University of Finance and Economics			
14:30 – 16:10 PM Concurrent Sessions (2nd)	Customer Risk and Corporate Financial Policy:Evidence from Receivables Securitization Mike Qinghao Mao, Erasmus University Laura Xiaolei Liu, Peking University Greg Nini, Drexel University Discussant: Xiaoran Ni, Tsinghua University			
	Model Risk in the Pricing of the Reverse Mortgage Product Lei Shu, Tianjin University of Finance and Economics Anja De Waegenaere, Tilburg University Bertrand Melenberg, Tilburg University Hans Schumacher, Tilburg University Lieke Werner, Keylane Actuera Discussant: Mike Qinghao Mao, Erasmus University			

The Demand and Supply of Mortgage Rate Fixation Periods.Managing Interest Rate Risk and Credit Risk in a Low Rate Environment Cath é rine Koch, Bank for International Settlements (BIS)

Christoph Basten, Swiss Financial Market Supervisory Authority FINMA Benjamin Guin, University of St. Gallen Discussant: Rui Zhong, Central University of Finance and Economics

Session 6: Portfolio Risk Hui Ren Hall (荟仁厅)

Moderator:

14:30 - 16:10 PM

Concurrent Sessions (2nd)

Zhenhua Guo, Shanghai University of International Business and Economics

Tail Risk, Robust Portfolio Choice, and Asset Prices Xudong Zeng, Shanghai University of Finance and Economics

Xing Jin, Warwick Business School

Dan Luo, Shanghai University of Finance and Economics

Discussant: Xiaoneng Zhu, Shanghai University of Finance and Economics

The Sharpe Paper with Return Skewness

George Xiang, Renmin University

Larry Zhang, China Investment Corporation

Discussant: Bo Zhou, Shanghai University of Finance and Economics

Preventing Crashes: Enhanced Reversal Strategy in Chinese Stock Market

Shuyu Xue, Singapore Management University

Fuwei Jiang, Central University of Finance and Economics

Geng Wang, Central University of Finance and Economics

Discussant: Xudong Zeng, Shanghai University of Finance and Economics

Session 7: Risk and Uncertainty Hui Li Hall (荟礼厅)

Moderator:

Wenge Zhu, Shanghai University of Finance and Economics

Executive Compensation-Implied Risk Aversion of American CEOs Nathan Dong, Columbia University

Discussant: Xin Deng, Shanghai University of Finance and Economics

Belief Dispersion over Rare Disasters and Asset Pricing

Dan Luo, Shanghai University of Finance and Economics Zhentao Zou, Shanghai University of Finance and Economics Discussant: Haoyu Xu, Shanghai University of Finance and Economics

14:30 – 16:10 PM Concurrent Sessions (2nd)	Wanting Robustness in Insurance:A Model of Catastrophe Risk Pricing and Its Empirical Tests Wenge Zhu, Shanghai University of Finance and Economics Discussant: Nan Li, Shanghai Jiao Tong University
	Uncertainty-based Attention and Stock Performance: Evidence from Asia-Pacific Markets Tong Fang, Central University of Finance and Economics Zhi Su, Central University of Finance and Economics Libo Yin, Central University of Finance and Economics Discussant: Yan Luo, Fudan University
16:10 - 16:20 PM	Tea Break
	Session 8 : Systemic Risk Hui Zhi Hall (荟智厅)
	Moderator: Fang Su, Shanghai University of Finance and Economics
	Should Bank Diversification be Harmful to the Banking System? The Perspective of Systemic Risk Chien-Chiang Lee, National Sun Yat-sen University, Taiwan Jhih-Hong Zeng, National Sun Yat-sen University Pei-Fen Chen, National Chi-Nan University Discussant: Ei Yang, Shanghai University of Finance and Economics
	Interconnectedness and Systemic Risk in the US CDS Market Masayasu Kanno, College of Commerce, Nihon University, Japan Discussant: Xiao Qin, Shanghai Jiaotong University
16:20 – 18:00 PM Concurrent Sessions (3rd)	Interconnectedness and Systemic Risk: A Comparative Study Based on Systemically Important Regions Fang Su, Shanghai University of Finance and Economics Lei Fang, Shanghai University of Finance and Economics Discussant: Tong Yu, University of Cincinnati
	Management of Commissions to Meet the Regulatory Requirements: Evidence from Property- Casualty Insurance in China Kai Wang, Shanghai University of Finance and Economics Lei Fang, Shanghai University of Finance and Economics Jiang Cheng, Shanghai University of Finance and Economics Discussant: Fang Su, Shanghai University of Finance and Economics
	Session 9: Stock Return Hui Li Hall (荟礼厅)
	Moderator: Bing Han, University of Toronto

International Regulations on Stock Issuance and Buyback and the Asset

Alan Guoming Huang, School of Accounting and Finance, University of Waterloo

Kevin Jialin Sun, St. John's University Discussant: Qi Zhu, Fudan University

Communication and Comovement: Evidence from Online Stock Forums

Jinvu Liu. Tsinghua University Lei Jiang, Tsinghua University

Baozhong Yang, Georgia State University

Discussant: Alan Huang, University of Waterloo

Idiosyncratic Return Volatility: Good Corporate Governance or Bad Risk Management?

Mark H. Liu. University of Kentucky

Fengyu Li, Dongbei University of Finance and Economics Yongdong (Eric) Shi, Dongbei University of Finance and Economics

Discussant: Mingchao Cai, Shanghai Jiaotong University

Firm Specific Uncertainty, Individual Stock Variance Risk Premium, and the Cross--Section of Stock Returns

16:20 - 18:00 PM Bing Han, University of Toronto Concurrent Sessions

(3rd)

Yi Zhou, San Francisco State University

Discussant: Wenjin Kang, Shanghai University of Finance and Economics

Session 10: Credit Rating; Contagion; Currency Risk Hui Ren Hall (荟仁厅)

Moderator:

Debao Hu, Renmin University

Efficacy of Credit Rating Process for Listed Entities in India Kaveri Krishnan, Indian Institute of Management Bangalore Sankarshan Basu, Indian Institute of Management Bangalore Discussant: Lei Shu. Tsinghua University

The Credit Rating Game: Evidence from a Strategic Game Model Ruoyan Huang, University of Hong Kong

Hongtao Li, Tulane University

Discussant: Nathan Dong, Columbia University

Contagion Effects of Systemic Risk between the U.S. and China

Yue Xu, Renmin University of China

Zhongyang Chen, Renmin University of China

Discussant: Zhiyong Li, Southwestern University of Finance and Economics

Test of Role of Trading Volume of CNY Played in Onshore/Offshore Markets and Their Interactivity Jianping Ding, Shanghai University of Finance and Economics Changrong Lu, Shanghai University of Finance and Economics Lizhu Wei, Shanghai Universigy of Finance and Economics Discussant: Ling Feng, Shanghai University of Finance and Economics

Session 11: Insurance Companies and Banks Hui Xian Hall (荟贤厅)

Moderator:

Dongmei Chen, Fudan University

16:20 - 18:00 PM Concurrent Sessions (3rd)

Life Insurance Lapse Behavior: Evidence from China

Lu Yu, Shanghai University of Finance and Economics Jiang Cheng, Shanghai University of Finance and Economics Discussant: Hong Mao. Shanghai Second Polytechnic University

Shadow Banks and China's Macroeconomic Stability

Liu Yang, Central China Normal University

S. van Wiinbergen, University of Amsterdam

Discussant: Chim Lau, Shanghai University of Finance and Economics

Board Capital and Firm Performance: Evidence from Chinese Insurance Companies

Zhijian Feng, Fudan University

Lei Li, Fudan University

Discussant: Jiang Cheng, Shanghai University of Finance and Economics

Whether the Comprehensive Information Sharing is Most Efficient: Theoretical Analysis and New Evidence from the European Union Naihong Hu, Shanghai University of Finance and Economics Wenchen Gu, Shanghai University of Finance and Economics Discussant: Liu Yang, Central China Normal University

17:45 - 20:00 PM

Job Fair

State Street (道富科技) \Amarsoft (安硕益盛) \Sunshare Capital (尚信资本) \ZRC Bank (张家港农商行)\ESSENCE Securities (安信证券)\AIA保险 \SINOLINK CAPITAL CO., LTD. (国金鼎兴投资)

第二届 上海风险论坛 The Second Annual Shanghai Risk Forum (SRF)

Keynote Speaker:

S.Ghon Rhee

K. J. Luke Distinguished Professor of International Banking and Finance

Managing Editor of the *Pacific-Basin Finance Journal* Shidler College of Business, University of Hawaii



Dr. Rhee received his BA from Seoul National University Law School, MBA from Rutgers University, and Ph.D. from The Ohio State University. He is holding the K. J. Luke Distinguished Professor of International Banking and Finance at the University of Hawaii. He is the managing editor of the Pacific-Basin Finance Journal, a premier academic journal focusing on Asia-Pacific capital markets and financial systems.

Professor Rhee's main research interests are asset pricing and corporate finance topics in Asian financial markets. His research has been published in numerous academic journals, including: Journal of Finance, Review of Financial Studies, Journal of Financial and Quantitative Analysis, Journal of Accounting and Economics, Journal of Banking and Finance, Journal of Empirical Finance, Financial Management, Journal of Risk and Insurance, etc. He has published over 90 academic papers and edited or authored 18 books on Asian financial markets.

He has served as the president of the Asian Finance Association for a two-year period, 2014-2016. He was the founding president of the Pacific-Basin Financial Management Society, an academic association created to promote academic research on the region's financial and capital markets. He served as the chairman of the Asian Shadow Financial Regulatory Committee (ASFRC) in 2004-2007, which is charged to identify and analyze developing trends and ongoing events in Asia that may affect the efficiency and safe operation of financial markets and the financial services industry.

He served as the dean (2008-2011) of the SKKU Business School in Seoul, Korea to initiate various reform programs to upgrade its research programs while he is on leave from University of Hawai'i. During his tenure, he successfully led the SKKU Business School to be accredited by the AACSB in 2009.

第二届 上海风险论坛
The Second Annual Shanghai Risk Forum (SRF)

Industry Panelist Introduction

Chenyang (Jason) Wei

Head of Credit Research, AIG, Formal President of TCFA



Dr. Chenyang (Jason) Wei is Director and Head of Credit Risk Research in the Asset Management Group of American International Group (AIG). His team conducts credit market surveillance and sector fundamental research in support of AIG's multi-billion credit portfolios (+\$300bn). Before joining AIG in 2012, he was a senior economist at the Federal Reserve Bank of Philadelphia, and earlier an Economist at the Federal Reserve Bank of New York. His previous experience in the regulatory domain includes U.S. bank stress testing, credit surveillance and model validation, bank governance and compensation reform, etc. His research articles were published in top-tier academic or policy journals including *Review of Financial Studies* and *Economic Policy Review*.

Dr. Wei holds a Ph.D. in Finance from Stern School of Business at New York University, a M.S. in Economics from University of Texas at Austin, and a B.A. (Finance) from Tsinghua University.

第二届 上海风险论坛 The Second Annual Shanghai Risk Forum (SRF)

Industry Panelist Introduction



Xingong (Scott) Chang

Chief Risk Officer, Guangfa Securities

Scott Chang is the Chief Risk Officer at GuangFa Securities (the 3rd largest investment bank in China), a member of its executive committee. Before joining GF Securities in 2015, Scott had been working for world-class investment banks in Wall Street for 15 years. Scott started his Wall Street career from Lehman Brothers as a Vice President, and worked for Goldman Sachs as a VP, Merrill Lynch as a Director and Senior Vice President. In 2012, Scott became Managing Director at BNY Mellon in charge of Enterprise Risk Integration program. Mr. Chang graduated from Tsinghua University with a Masters' degree in computer science, and then got his second Master's degree from University of Delaware. In 2006, Scott received his EMBA degree from New York University Stern business school.

第二届 上海风险论坛

The Second Annual Shanghai Risk Forum (SRF)

Industry Panelist Introduction

Haiwei Li

Head of Quantitative and ETF Investment, Invesco Greatwall Fund Management Co.



Mr. Haiwei Li, CFA, M.S. in Resource Economics and M.S. in Financial Engineering. He is head of Quantitative and ETF Investment and portfolio manager, Invesco Great Wall Fund Management Co., Ltd. He has 13 years asset management industry experience. He worked as fund manager and VP at BlackRock (previously Barclays Global Investors), Head of Quant at Haitong International Asset Management, and credit research analyst at Moody's KMV.

第二届 上海风险论坛 The Second Annual Shanghai Risk Forum (SRF)

Industry Panelist Introduction

Tianyu (Daniel) Lu

Director of Risk Analytics and ERM, State Street Corporation



Tianyu (Daniel) Lu is vice president and director, leading risk analytics China team for State Street Enterprise Risk Management. He is responsible for quantitative credit risk modeling, which complies with Basel III regulatory requirement and US stress test (CCAR). He is also a member of State Street (Zhejiang) executive committee. Prior to relocation from Boston to Hangzhou, Tianyu had been in charge of market risk modeling for State Street's hundreds-billion-scale Security Finance Program. With regulatory approval of the usage, the model he developed saves over 10 billion dollars in risk weighted capital.

Tianyu has a doctoral degree in quantitative finance from Stony Brook University, SUNY and is a FRM charter holder.

第二届 上海风险论坛

The Second Annual Shanghai Risk Forum (SRF)

Industry Panelist Introduction

Zhan (Samson) Shen

Chief Risk Officer, Taiping Financial Holdings Company Limited



Zhan (Samson) Shen is Chief Risk Officer of Taiping Financial Holdings Company Limited, Executive Director and Deputy General Manager of Taiping Assets Management (HK) Company Limited. Prior to Taiping, He was Market Risk Manager at Ping An Bank. His expertise includes risk appetite setup for financial holding company, risk management and compliance function customization, quantitative research in investment risk, alternative investment product design and investment project due diligence. He is a 2004 Spencer Scholar, a professional risk manager (PRMTM), and a Financial Risk Manager (FRM®).

He got Ph.D. in Risk Management and Insurance at Temple University, Master and Bachelor degrees in Finance at Xiamen University.

Participants of Job Fair

Amarsoft Information and Technology Corp.

American International Assurance

Essence Securities

State Street Corp

Sunshare Capital

SINOLINK CAPITAL CO., LTD.

ZRC Bank

Direction

Baolong Hotel: 180 Yixian Road, Hongkou District, Shanghai 200434, China

(We recommend to take a taxi to hotel.)

From Pudong Airport:

Taxi: Yuan 150 - 180

Subway: Line 2 Extended East Line 2 line 4 line 3 then take bus 537, get off at Yixian Road and Jinian Road

From Hongqiao Airport:

Taxi: Yuan 90 - 100

Subway: Line 2 Line 3 then take bus 537, get off at Yixian Road and Jinian Road

From Shanghai Station Taxi: Yuan 25–30

Subway: take Line 3 then take bus 537, get off at Yixian Road and Jinian Road

From Shanghai Hongqiao Station

Taxi: Yuan 90-100

Subway: Line 2 Line 3 take bus 537, get off at Yixian Road and Jinian Road



Hotel is marked in red.

tel: +86 21 3505 9666;

website: www.baolonghotel.com

Appendix 1: Sinofin and CCER Data



Appendix 2: State Street ERM



Our Story

Our clients are looking to the future. We're helping them get there.

We are the engine that powers the world's investments. We hold and manage money for millions of people: our clients and their clients. We're responsible for 11 percent* of the world's assets.

STATE STREET GLOBAL ADVISORS 道富环球投资管理 STATE STREET GLOBAL MARKET 道富环球市场

STATE STREET GLOBAL SERVICE 道富环球服务

STATE STREET GLOBAL EXCHANGE 道富环球交易

20

Enterprise Risk Management Operation Model

Risk Superstructure

Risk Horizontals	GS Americas	Global Operations & Technology	SSgA	Global Markets	Treasury	International
Credit Risk						EMEA
Operational Risk						Asia-Pac

Risk Infrastructure				
Operations & Technology Solutions	Risk Analytics	Model Risk Management	Global Credit Review	

Risk Analytics



Primary Functions







