



2025 Asia-Pacific Association of Finance International Conference

Conference Date.

July 15-17, 2025

Conference Venue.

Busan International Finance Center(BIFC), Busan, Republic of Korea

Host.

Korean Association of Financial Engineering

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Welcome Message

The 2025 Asia Pacific Association of Finance (APAF) International Conference, hosted by the Korean Association of Financial Engineering (KAFE), will be held from July 15 to 17 (Tuesday to Thursday) at the Busan International Finance Center (BIFC) in Busan, Republic of Korea. APAF has aimed to become a world-class academic research platform in the fields of convergence finance and financial engineering. The conference serves as a space for scholars and professionals to engage in deep academic exchange and to derive meaningful implications for the rapidly changing landscape of finance across the Asia-Pacific region.

This year's conference continues our valued collaborations with the Japanese Association of Financial Econometrics and Engineering (JAFEE), the Korea-America Finance Association (KAFA), and the Financial Engineering Association of Taiwan (FeAT). Through these partnerships, APAF is committed to fostering a strong and sustainable research community that connects Korea, Japan, Taiwan, China, the United States, and beyond.

The 2025 conference program includes seven on-site academic sessions, one online academic session, two keynote speeches, and one special symposium. The academic sessions are organized under the following themes: Macro-Finance and Behavioral Dynamics; Artificial Intelligence and Financial Markets; Derivatives and Market Dynamics; Corporate Behavior and Financial Reporting; Asset Pricing, Trading Strategy, and Market Microstructure; ESG Finance and Green Innovation; and the GFRC Session. These sessions are designed to showcase cutting-edge research and promote rigorous academic dialogue.

The keynote address will be delivered by Professor Robert Webb of the University of Virginia, who will speak on the topic "Trading and AI." His talk is expected to offer fresh insights into the role of artificial intelligence in trading and potential strategies for revitalizing the Korean options market. In addition, Professor Yuji Yamada of the University of Tsukuba and President of JAFEE will present on "Derivatives for Practical Risk and Contract Design," providing thought-provoking ideas on how derivatives can be effectively used in real-world risk management and contract structuring.

A special symposium will also be held as part of the conference, chaired by Professor Woojin Kim of Seoul National University. In this session, four distinguished researchers will lead in-depth presentations and discussions. Although no single pre-determined topic has been assigned, the symposium is expected to stimulate high-level academic and industry conversations and contribute meaningfully to both scholarly and practical advancements in finance.

The 2025 APAF is also honored to welcome a diverse group of international participants, including Takeaki Kariya (Hitotsubashi University), Pei-Shih Weng and Sheng-Yi Lo (National Sun Yat-sen University), Wu Jie, Lin Shengsheng, and Tong Yuanuan (Zhejiang Shuren University), Kiseop Lee (Purdue University), Kazuhiro Takino (NUCB Business School), Makoto Shimoshimizu (Tokyo University of Science), Yi-Wei Chuang (National Kaohsiung University of Science and Technology), Alexander Webb (University of Wollongong), Soon Hyeok Choi (Rochester Institute of Technology), Won Yong Kim (Augsburg University), Jewon Shin (Pennsylvania State University), Taiki Wakatsuki and Yuki Sato (Kyoto University), Zhang Xinmiao (Ritsumeikan University), Marija Tatimir (Keio University), and the two keynote speakers. Their participation will greatly enrich the conference through diverse global perspectives and scholarly engagement.

We express our sincere gratitude to all presenters, discussants, session chairs, and attendees who are contributing to the success of the 2025 APAF conference. We are also deeply appreciative of the generous support from our sponsors, including the Korea Exchange (KRX), Busan Finance Center (BFC), Korea Housing Finance Corporation (KHFC), Korea Securities Depository (KSD), BNK Busan Bank, KB Securities, Kiwoom Asset Management, Mirae Asset Securities, Mirae Asset Global Investments, Samsung Asset Management, Heungkuk Asset Management, Shinhan Asset Management, NH Investment & Securities, Korea Deposit Insurance Corporation (KDIC), Korea Trade Insurance Corporation (K-SURE), and KOSCOM.

We look forward to welcoming all participants to Busan this July for an intellectually stimulating and professionally rewarding APAF 2025.

• Hoon Cho President, Korean Association of Financial Engineering

Date: July 15-17**Location:** Busan International Finance Center (BIFC), 40, Munhyeongeumyung-ro, Nam-gu, Busan, Korea

Program

1 Day
July 15, Tue.

Time	Session	Location
12:00~13:00	KAFE Board Meeting	AVANI Central Busan Hotel
17:00~19:00	KAFE, JAFEE and FeAT Committee Meeting	AVANI Central Busan Hotel

2 Day
July 16, Wed.

Time	Session	Location
09:00~09:30	Registration	Grand Conference Hall, 62 nd floor, BIFC
09:30~09:45	Welcoming Remarks: Hoon Cho, President of KAFE Congratulatory Message: Kyung Sik Lee, President & CEO of Derivative Markets, KRX	Grand Conference Hall, 62 nd floor, BIFC
09:50~10:20	Keynote Speech I : Robert I. Webb (University of Virginia) Trading and AI	Grand Conference Hall, 62 nd floor, BIFC
10:20~10:30	Coffee Break	
10:30~12:30	Academic Session 1 Session 1: Macro-Finance and Behavioral Dynamics Session 2: Artificial Intelligence and Financial Markets Session 3: Derivatives and Market Dynamics On-line session	Seminar Room, 51 st floor, BIFC Seminar Room 1, 52 nd floor, BIFC Seminar Room, 53 rd floor, BIFC Zoom ID: 832 2018 5590/ Password: 891722
12:30~13:30	Lunch	KRX Cafeteria
13:30~15:30	Academic Session 2 Session 4: Corporate Behavior and Financial Reporting Session 5: Asset Pricing, Trading Strategy, and Market Microstructure Session 6: ESG Finance and Green Innovation GFRC session	Seminar Room, 51 st floor, BIFC Seminar Room 1, 52 nd floor, BIFC Seminar Room, 53 rd floor, BIFC Meeting Room, 63 rd floor, BIFC
15:30~15:40	Coffee Break	
15:40~16:00	Congratulatory Message: Myonho Rhee, CEO, Busan Finance Center	Grand Conference Hall, 62 nd floor, BIFC
16:00~16:30	Keynote Speech II : Yuji Yamada (University of Tsukuba) Derivatives for Practical Risk and Contract Design	Grand Conference Hall, 62 nd floor, BIFC
16:30~18:00	Special Symposium	Grand Conference Hall, 62 nd floor, BIFC
18:00~20:00	Dinner	AVANI Central Busan Hotel

3 Day
July 17, Thu.

Time	Session	Location
09:00~10:00	KAFE, JAFEE and FeAT Committee Meeting	AVANI Central Busan Hotel

Keynote I : **09:50-10:20** / 62nd floor [Grand Conference Hall]

Trading and AI
Robert Webb (Univ. of Virginia)

Session 1: **Macro-Finance and Behavioral Dynamics** (10:30~12:30) / 51st floor [Seminar Room]

Chair: Pei-Shih Weng (National Sun-Yat Sang Univ.)

Stochastic Approach to Integrated Climate-Change Macroeconomies in Continuous Time
Zhang Xinmiao, Jiro Akahori (Univ. of Ritsumeikan), Andrew Macrina (University of College London)

The Impact of Trade Policy Uncertainty on Forex Herding: Evidence from the Trump Tariff Announcements
Marija Tatomir (Keio Univ.)

Learning Stock Price Signals From Candlestick Chart Via Vision Transformer
Jae Wook Song, Jun Young Byun, Yosep Na (Hanyang Univ.)

Determining Optimal Default Funds in Nash Equilibrium
Kazuhiro Takino (NUCB Business School)

Session 2: **Artificial Intelligence and Financial Markets** (10:30~12:30) / 52nd floor [Seminar Room 1]

Chair: Takeaki Kariya (Hitotsubashi Univ.)

Can ChatGPT Forecast Returns in the Korean Stock Market? Multi-Dimensional Evidence from News-Based Long-Short Strategies
Sungwoo Park (Hangyang Univ. & Shinhan Bank), Donghyun Lim, Hyoung-Goo Kang (Hanyang Univ.)

Uncovering Hidden Market Patterns Across S&P 500 Sectors Using Genetic Algorithm-Optimized Echo State Networks
Tae-Hoon Lee, Hyeonsu Kim, HunHee Kim (Pukyong National Univ.)

Impact of Artificial Intelligence on Profitability: Evidence from Chinese A-Share Listed Firms in the Medical and Elderly Care Industry
Wu Jie (Zhejiang Shuren Univ.)

Impact of AI Digitalization on the Innovative Performance of Supply Chain Enterprises Listed on the A-Shares Market
Lin Shengsheng (Zhejiang Shuren Univ.)

Session 3: **Derivatives and Market Dynamics** (10:30~12:30) / 53rd floor [Seminar Room]

Chair: Yong Hyun Shin (Sookmyung Women's Univ.)

Forecasting Implied Volatility Surface: Integrating Macroeconomic Data into Option Pricing Models
Myeongsu Choi (Hanyang Univ. & Korea Development Bank), Sol Kim (Hankuk Univ. of Foreign Studies), Hyoung-Goo Kang (Hanyang Univ. & Korea Development Bank)

How Do the Diffusive Price Dynamics Arise from the Persistent Market Order Flow?
Yuki Sato, Kiyoshi Kanazawa (Kyoto Univ.)

Gambling Preferences and Index Option Returns- Evidence from the Taiwanese Options Market
Yi-Wei Chuang, Chang-Wen Liu, Wei-Che Tsai (National Sun-Yat San Univ.)

On-line Session: [\[10:30~12:30\]](#) / Zoom ID: 832 2018 5590/ Password: 891722

Chair: Hyeongjun Kim (Yeungnam Univ.)

Is The Current Bull Market A Bubble? An Empirical Investigation

Soon Hyeok Choi (Rochester Institute of Technology), Robert A. Jarrow (Cornell University)

Resurrecting pairs trading

Hyeongjun Kim (SKKU GFRC)

Dynamic factor timing

Yeonchan Kang (SKKU GFRC)

Board as Financial Intermediary: Evidence from Board-Interlocking Firms in the Credit Market

Chang Suk Bae (Tulane University)

Business Cycles in Emerging Countries: The Role of Nonlinearity in the Financial-Friction Model

Ingul Baek (Kongju National Univ.), Sanha Noh (Jeonbuk National Univ.)

Session 4: **Corporate Behavior and Financial Reporting** [\[13:30~15:30\]](#) / 51st floor [Seminar Room]

Chair: Jangwoo Lee (Univ.)

Dividend Signaling and Non-GAAP Earnings

Sheng-Yi Lo (National Sun-Yat San Univ.), Ming-Hung Wu (Beijing Normal Univ.)

External Information Environment and Non-GAAP Reporting: Insights from Options Markets

Pei-Shih Weng (National Sun-Yat San Univ.), Yi-Wei Chuang (National Kaohsiung Univ. of Science and Technology),
Sheng-Yi Lo (National Sun-Yat San Univ.)

CEO Compensation and Misery Index

Won Yong Kim (Augsburg Univ.), Taek-yul Kim (West Chester Univ.)

Predicting Bequest Behavior: The Role of Subjective Isolation and Financial Status

Marija Tatmir, Norio Hibiki (Keio Univ.)

Session 5: **Asset Pricing, Trading Strategy, and Market Microstructure** [\[13:30~15:30\]](#) / 52nd floor [Seminar Room 1]

Chair: Wu Jie (Zhejiang Shuren Univ.)

Continuous-Time Execution Strategy and Utility-Based Statistical Arbitrage in a Markovian Environment

Makoto Shimoshimizu (Tokyo Univ. of Science), Masaaki Fukasawa (Osaka Univ.), Masamitsu Ohnishi (Yamato Univ.)

Quantifying Informational Illiquidity in Corporate Bond Markets

Hyun Soo Doh (Hanyang Univ.), Yiyao Wang (Shanghai Advanced Institute of Finance)

Liquidity Analysis of Market Microstructure Models Using Kinetic Theory

Taiki Wakatsuki, Kiyoshi Kanazawa (Kyoto Univ.)

Crypto Asset Valuation: Frameworks and Limits

Changsoo Hong (NICE Pricing and Information Inc.), Hongbae Kim (Dongseo Univ.)

Session 6: **ESG Finance and Green Innovation (13:30~15:30)** / 53nd floor [Seminar Room]

Chair: Bonggyu Jang (POSTECH)

Does China's Green Finance Reform Promote Green Innovation among Credit-Constrained Firms? Evidence from a Triple Difference Analysis

Taiki Wakatsuki, Kiyoshi Kanazawa (Kyoto Univ.), Jinsan Kim (Kyungpook National Univ.)

Mandatory Disclosure and ESG Profiles: Evidence from the Smaller Reporting Company Rule

Jewon Shin (Pennsylvania State Univ.)

Pricing Individual GBs for Asset Valuation in ALM and Credit Risk of CBs

Takeaki Kariya (Hitotsubashi Univ.)

How Smart Innovation Shapes Stock Prices: Evidence from China's A-Share New Energy Vehicle Industry

Taiki Wakatsuki, Kiyoshi Kanazawa (Kyoto Univ.)

GFRC Session (13:30~15:30) / 63nd floor [Meeting Room]

Chair: Doojin Ryu (Sungkyunkwan Univ.)

Attention-Based Reading, Highlighting, and Forecasting of the Limit Order Book

Kiseop Lee (Purdue Univ.), Jiwon Jung (Univ. of Washington)

State-Dependent Relationship between Cryptocurrency Returns and Credit Spreads

Geul Lee, Doojin Ryu (Sungkyunkwan Univ.)

Trading Trouble

Alexander Webb (Univ. of Wollongong)

Geopolitical Proximity and Corporate Cash Behavior

Farigh Jahan (Sungkyunkwan Univ.)

Keynote II : (16:00-16:30) / 62nd floor [Grand Conference Hall]

Derivatives for Practical Risk and Contract Design

Yuji Yamada (Univ. of Tsukuba)

Special Symposium (16:30-18:00) / 62nd floor [Grand Conference Hall]

Chair: Woojin Kim (Seoul National Univ.)

Protection of Basic (Key) Industries versus Contribution of Economic Benefit in terms of the PEF

Song Sooyoung (Chungang Univ.)

Economic Shocks from Geopolitical Uncertainties under the Second Trump Administration: Causes and Implications

Young-Han Kim (Sungkyunkwan Univ.)

The dynamics of global sovereign debt market and its implication to Korea

Juyoung Yang (Korea Development Institute)

Toward a Global Financial Center: The Importance of Offshore Financing and Prospects for Busan

Soon Goo Ahn (Busan Finance Center)

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