FMA2018

RIMS Workshop on Financial Modeling and Analysis

Period November 26 – 28, 2018
Venue Research Institute for Mathematical Sciences, Kyoto University
Organizer Motoh Tsujimura, Doshisha University

November 26, Monday

- 9：50－10：00 Opening Address

Session 1 (Chair: Motoh Tsujimura)

- 10：00－10：40
  Investment and financing decisions in the presence of time-to-build
  JEON Haejun (Osaka University Center for Mathematical Modeling and Data Science)
- 10：50－11：30
  Optimal initial capital induced by the optimized certainty equivalent
  Takuji Arai (Keio University), Takao Asano (Okayama University) and Katsumasa Nishide* (Hitotsubashi University)

Lunch (11：30－13：30)

Session 2 (Chair: JEON Haejun)

- 13：30－14：10
  A concise approximation for the early exercise boundary of American options
  Toshikazu Kimura (Kansai University)
- 14：20－15：00
  Policy decisions and social welfare in renewable portfolio standards
  Makoto Goto (Hokkaido University / UC Santa Cruz) and Ryuta Takashima* (Tokyo University of Science)
- 15：10－15：50
  A note on impulse control with outside jumps
  Makoto Goto* (Hokkaido University / UC Santa Cruz) and Seiya Kanagawa (GCA Corporation)

November 27, Tuesday

Session 3 (Chari: Jun Hironaka)

- 10：00－10：40

  Dynamic investment and financing with internal and external liquidity management

  Nan Chen (The Chinese University of Hong Kong), Jiahui Ji (The Chinese University of Hong Kong) and Yuan Tian* (Ryukoku University)

- 10：50－11：30

  Information-based approach for Dealer Model

  Hideyuki Takada* (Toho University), Kaichi Kondou(Toho University) and Kenta Fukuda (Toho University)

Lunch（11：30－13：30)

Session 4 (Chair: Hideyuki Takada)

- 13：30－14：10

  Analysis of credit cycle movement on Japanese credit markets

  Jun Hironaka (Nomura Asset Management Co., Ltd.)

- 14：20－15：00

  Equilibrium execution strategies with generalized price impacts

  Masamitsu Ohnishi (Osaka University) and Makoto Shimoshimizu* (Osaka University)

- 15：10－15：50

  Mathematical linkages of biological and environmental information engineering and finance

  Hidekazu Yoshioka* (Shimane University), Li Zhi (Shimane University), Yumi Yoshioka (Shimane University) and Akira Yano (Shimane University)

Workshop Dinner（18：00－20：00)

November 28, Wednesday

Session 5 (Chari: Makoto Goto)

- 10：00－10：40
  Pricing of guaranteed order execution contracts
  Seiya Kuno (Doshisha University)
- 10：50－11：30
  The effects of asset liquidity on bankruptcy decisions
  Michi Nishihara* (Osaka University) and Takashi Shibata (Tokyo Metropolitan University)
- 11：40－12：20
  Partially reversible capital investment under demand and cost ambiguity
  Motoh Tsujimura (Doshisha University)

- 12：20－12：30　Closing Address