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Field of Specialization：
Econometrics，International finance，time series analysis，high frequency data analysis

Education：
Ph.D. Economics, Kobe University
(March 2017)

M.S. Economics, Kobe University
(March 2014)

B.S. Economics, Beijing Institute of Technology
(July 2009)

Refereed Journal Articles：
Yang, L., **Cai, X.J.**, Li, M., Hamori, S., 2015, Modeling dependence structures among international stock markets: Evidence from hierarchical Archimedean copulas. Economic Modelling, 51, 308-314.

Cai, X.J., Tian, S., Hamori, S., 2016, Dynamic correlation and equicorrelation analysis of global financial turmoil: evidence from emerging East Asian stock markets. Applied Economics, 48, 3789-3803.

Yang, L., **Cai, X.J.**, Zhang, H., Hamori, S., 2016, Interdependence of foreign exchange markets: A wavelet coherence analysis. Economic Modelling, 55, 6-14.

Cai, X.J., Tian, S., Hamori, S., 2017, Stock Market Integration in China: Evidence from the Asymmetric DCC Model and Copula Approach. Applied Economics and Finance, 4, 1-10.

Cai, X.J., Tian, S., Yuan, N., Hamori, S., 2017, Interdependence between oil and East Asian stock markets: Evidence from wavelet coherence analysis. Journal of International Financial Markets, Institutions & Money, 48, 206-223.

Yang, L., **Cai, X.J.**, Hamori, S., 2017, Does the crude oil price influence the exchange rates of oil-importing and oil-exporting countries differently? A wavelet coherence analysis. International Review of Economics & Finance, 49, 536-547.

Yang, L., **Cai, X.J.**, Hamori, S., 2018, What determines the long-term correlation between oil price and exchange rate? The North American Journal of Economics and Finance.

Book Chapter:

Cai, X.J., Hamori, S., 2015, Business cycle volatility and hot money in emerging east Asian markets. In Kinkyo, T., Inoue, T., and Hamori, S. "Financial Linkages, Remittances, and Resource Dependence In East Asia", Ch.3, pp.59-80.

Submitted Journal Articles：

Cai, X.J., Fang, Z., Chang, Y., Hamori, S., Co-movements and lead-lag effect in commodity prices: Wavelet coherence analysis and diversification benefits. Empirical Economics, R & R.

Yang, L., **Cai, X.J.**, Hamori, S., Integration of the financial markets of select Central and Eastern European countries: A DECO-MGARCH approach.

Tian, S., **Cai, X.J.**, Hamori, S., Improving density forecasting: The role of multivariate conditional dependence.

Luo, Z., **Cai, X.J.**, Tanaka, K., Takiguchi, T., Kinkyo, T., Hamori, S., Crude oil price forecasting: Experimental evidence from convolution neural network modeling.

Working Papers ：

Cai, X.J., Tian, S., Hamori, S., Modelling interdependence between East Asian stock markets and the prices of oil and gold: a wavelet based approach.

Motegi, K., **Cai, X.J.**, Hamori, S., Xu, H., High-dimensional copula models with mixed frequency data and asymmetric volatility.

Luo, Z., **Cai, X.J.**, Tanaka, K., Takiguchi, T., Kinkyo, T., Hamori, S., Crude oil price forecasting: Experimental evidence from deep learning approach.

Cai, X.J., Tian, S., Hamori, S., Dynamic dependence among energy, precious metal and agricultural markets: new evidence from a dynamic copula and high frequency data.

Cai, X.J., Luo, Z., Tanaka, K., Takiguchi, T., Kinkyo, T., Hamori, S., Do high-frequency data help forecasting oil prices? A neural network modeling.

Academic Activities：

Feb.–May. 2015 Investigate the co-movements and lead-lag effect in commodity prices by using wavelet coherence analysis with Nanyang Technological University. (Prof. Youngho Chang, Prof. Shigeyuki Hamori, Dr. Zheng Fang, Dr. Xiaojing Cai）

Sep. 2015 Eastern European Economics Reviewer

Dec. 2016–Feb. 2017 Forecasting the crude oil prices by using convolution neural network models with Information Systems Engineering of Kobe University (Prof. Tetsuya Takiguchi, Prof. Takuji Kinkyo, Prof. Shigeyuki Hamori, Dr. Xiaojing Cai）

Aug. 2–4 2017 Singapore Economic Review Conference (SERC)

Jan. 11-14 2018 Western Economic Association International (WEAI)

Teaching Experience:

Jul.–Aug. 2017 Review Sessions of Statistics, Faculty of Economics, Kobe University

Teaching Assistant, Kobe University

Apr.–Jul. 2013, Apr.–Jun. 2014 Econometrics (Prof. Shigeyuki Hamori)
Oct. 2013–Jan. 2014 Applied Econometrics (Prof. Shigeyuki Hamori)
Nov. 2015–Feb. 2016, Jul.–Aug. 2016, Dec. 2016–Feb. 2017 Econometrics (Prof. Clinton Watkins)
Apr.–Jun. 2016 Portfolio Management (Prof. Clinton Watkins)
Oct.–Dec. 2016 Financial Theory (Prof. Clinton Watkins)
Dec. 2016–Feb. 2017 Econometrics (Prof. Clinton Watkins)
Apr.–Jul. 2017 Economic and Financial Crises (Prof. Clinton Watkins)

Research Assistant, Kobe University

May.–Dec. 2016 Financial Linkages, Remittances, and Resource Dependence in East Asia (Prof. Shigeyuki Hamori)
Sep. 2017–Present Copula models with mixed frequency data (Prof. Shigeyuki Hamori, Prof. Kaiji Motegi)

Academic tutor, Kobe University

Apr. 2014–Mar. 2016 Advising Master’s students in their dissertations

Awards：

Mar. 2016, Mar. 2017 Rokkodai Research Excellence Award

References：

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