

As of October 16, 2012

Katsutoshi Wakai

Office address:

Graduate School of Economics
Kyoto University
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Kyoto 606-8501, Japan
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Citizenship: Japan

Degrees:

Ph.D., Yale University, 2002.
- Supervisor: Stephen Morris; Other committee members: Benjamin Polak and John Geanakoplos
- Dissertation: Linking Behavioral Economics, Axiomatic Decision Theory and General Equilibrium Theory
M. Phil., Yale University, 1999
M. A., Yale University, 1998
B.A., Saitama University, Japan, 1991

Research Areas:

Microeconomic Theory
Financial Economics
Behavioral Economics/Finance

Academic Appointment:

Associate Professor of Economics, Kyoto University, October 2008-present
Associate Professor of Economics, Otaru University of Commerce, July 2007-September 2008
Assistant Professor of Economics, SUNY at Buffalo, August 2002-June 2007

Publication:**English (refereed):**

- “Intertemporal Utility Smoothing: Theory and Applications,” forthcoming in *Japanese Economic Review*.
- “Intertemporal Utility Smoothing under Uncertainty,” forthcoming in *Theory and Decision*.
- “An Infinite-horizon Model of Nonmonotone Utility Smoothing,” *Economics Letters*, Vol.116(2), 2012, pp.170-173.

- “Modeling Nonmonotonic Preferences: The Case of Utility Smoothing,” *Journal of Mathematical Economics*, Vol.47(2), March 2011, pp.213-226.
- “A Model of Utility Smoothing”, *Econometrica*, Vol. 76(1), January 2008, pp.137-153.
- “A Note on Recursive Multiple-Priors”, *Journal of Economic Theory*, Vol. 135 (1), July 2007, pp.567-571.
- “Aggregation under Homogeneous Ambiguity: A Two-Fund Separation Result”, *Economic Theory*, Vol.30, No.2, February 2007, pp.363-372.

Japanese (refereed):

- “An Econometric Model of the Japanese Market for Higher Education under Quantitative Restrictions: Why Do We Still Have Intense Competition for College Entrance?” (with Seiritsu Ogura), *JCER Economic Journal*, No.21, May 1991, pp.14-33.

Working Papers:

- “An Alternative Axiomatization of Intertemporal Utility Smoothing,” Kyoto University, October 2012.
- “Loss Aversion in Recursive Preferences,” Kyoto University, July 2011.
- “Risk Non-Separability without Force of Habit,” State University of New York at Buffalo, February 2007.

Work in Progress:

- “On Implementation of a Momentum Strategy.”
- “Short-Sale Constraints in Dynamic Programming When the Economy is Growing.”

Invited Lectures:

2012 Japanese Economic Association Spring Annual Meeting (at Hokkaido University),
 June 23, 2012
 - “Utility Smoothing: Theory and Applications”
 (The title has been changed to “Intertemporal Utility Smoothing: Theory and Applications”
 on the day of the presentation.)

Conference Presentations:

Ritsumeikan University seminar for incentive and commitment: On the frontier of general equilibrium theory (at Ritsumeikan University), May 19, 2012
 - “An Infinite-horizon Model of Nonmonotone Utility Smoothing”
 2012 Edition of Hitotsubashi GCOE Conference on Choice, Games, and Welfare (at Hitotsubashi University), February 18, 2012

- “An Infinite-horizon Model of Nonmonotone Utility Smoothing”
RIMS Workshop for Mathematical Analysis of Economics (at Doshisya University),
October 16, 2011
- “Loss Aversion in Recursive Preferences”
Japanese Economic Association Fall Annual Meeting (at Kwansei Gakuin University),
September 19, 2010
- “A Model of Stochastic Utility Smoothing”
Summer Workshop on Economic Theory (at Hokkaido University), August 12, 2009
- “Modeling Non-Monotone Preference: The Case of Utility Smoothing”
Far East and South Asia Meeting of the Econometric Society
(at University of Tokyo), August 3, 2009
- “A Model of Stochastic Utility Smoothing”
The Nanzan-Yokohama National University Finance Conference, Yokohama, February 17, 2008
(originally scheduled on February 16, 2008)
- “On Implementation of Momentum Strategies: A Case for Factor Returns”
Summer Workshop on Economic Theory (at Hokkaido University), July 31, 2007
- “A Model of Utility Smoothing”
Midwest Theory Conference (at Michigan State), April 29, 2006
- “A Model of Gain/Loss Asymmetry”
Uncertainty in Economic Theory: A workshop in honor of David Schmeidler’s 65th Birthday
(at Yale) October 8, 2004
- “Two-Fund Separation under Homogeneous Ambiguity”
RUD conference (at Northwestern), June 26, 2004
- “A Model of Consumption Smoothing”
Inter-University Conference (at UPenn), November 30, 2001
- “A Model of Consumption Smoothing with an Application to Asset Pricing”

Seminar/Workshop Presentations:

- Hokkaido University, February 18, 2011
- “A Model of Stochastic Utility Smoothing”
- Hitotsubashi University, December 2, 2010
- “A Model of Stochastic Utility Smoothing”
- Keio University, June 29, 2009
- “Modeling Non-Monotone Preference: The Case of Utility Smoothing”
- University of Tokyo, March 10, 2009
- “Modeling Non-Monotone Preference: In the Case of Utility Smoothing”
- Kobe University, January 19, 2009
- “Two Extensions of Utility Smoothing”
- Yokohama National University, November 29, 2007
- “A Model of Stochastic Utility Smoothing”
- Queens University, September 18, 2006
- “Risk Non-Separability without Force of Habit”
- Hitotsubashi University, July 27, 2006
- “Risk Non-Separability without Force of Habit”
- Kyoto University, July 20, 2006
- “Risk Non-Separability without Force of Habit”
- University of Texas, Austin, November 21, 2003
- “A Model of Consumption Smoothing with an Application to Asset Pricing”

University of Tokyo, July 3, 2003

- “A Model of Consumption Smoothing with an Application to Asset Pricing”

Japan Finance Association, July 1, 2003

- “Momentum and Reversal: Rational or Irrational”

University of Rochester, September 4, 2002

- “A Model of Consumption Smoothing with an Application to Asset Pricing”

University of Iowa, February 11, 2002

- “A Model of Consumption Smoothing with an Application to Asset Pricing”

University at Buffalo, January 25, 2002

- “A Model of Consumption Smoothing with an Application to Asset Pricing”

Washington University, January 18, 2002

- “A Model of Consumption Smoothing with an Application to Asset Pricing”

Referee:

American Economic Review, Annals of Finance, Econometrica, Journal of Economic Theory, Journal of Mathematical Economics, Management Science, Quantitative Finance, Theoretical Economics

Fellowships and Grants:

Grand-in-Aid for Scientific Research (B: 23330104) by Japan Society for the Promotion of Science (with Masahiko Egami):

- “Behavioral Analysis of Asset-return Comovement with Applications to Financial Engineering” 2011-2013

Grand-in-Aid for Scientific Research (C: 23530219) by Japan Society for the Promotion of Science:

- “Economic Applications of Utility Smoothing: Games and Asset Pricing” 2011-2013

Grand-in-Aid for Scientific Research (C: 20530146) by Japan Society for the Promotion of Science:

- “Economic Analysis of Utility Smoothing” 2008-2010

Yale Dissertation Fellowship, Spring 2001

Yale University Fellowship, 1998-2000

Academic Affiliation:

American Economic Association

Econometric Society

Japan Economic Association

Nippon Finance Association

Non Academic Research Experience:

Quantitative Analyst, J.P. Morgan (April 1991-June 1996): *Assistant Manager* since December 1993

Capital Markets Research, Morgan Trust Bank, Tokyo (April 1991-December 1993)

- Maintained and improved a multi-factor model of Japanese equity markets
- Implemented an evaluation model of Japanese convertible bonds
- Attended Morgan Financial Program in New York (October 1992-February 1993)

Equity, J.P. Morgan Investment Management Inc., London (January 1994-March 1995)

- Maintained and improved a multi-factor model of Japanese equity markets

Structured Derivatives, J.P. Morgan Investment Management Inc., New York (April 1995-June 1996)

- Constructed a simulation based evaluation model for international asset allocation

RA Experience:

Research Assistant: (1989-1991) for Professor Seiritsu Ogura at Saitama University.
Coauthored paper using a simultaneous equation system to study Japanese higher education markets (see publication in Japanese: *JCER Economic Journal*, May 1991).

Teaching Experience:

Associate Professor (Kyoto University): mostly taught in Japanese
Microeconomic Theory I (for undergraduate), Spring 2009, Spring 2011
Microeconomic Theory II (for undergraduate), Fall 2010, Fall 2012
Introductory Seminar (for the first year undergraduate), Spring 2012
English for Economists (for undergraduate: *taught in English*), Fall 2011
English for Economists (for undergraduate), Fall 2009, Fall 2010
Decision Theory (for Ph.D.: *taught in English*), Fall 2012
Decision Theory (for Ph.D.), Fall 2008, Spring 2009, Fall 2011
Behavioral Finance (for MBA), Fall 2008, Fall 2009, Fall 2010
Microeconomics (for MBA, MA: *taught in English*), Spring 2011, Spring 2012
Undergraduate Seminar, Spring 2009, Fall 2009, Spring 2010, Fall 2010,
(Spring 2011, Fall 2011, Spring 2012, Fall 2012)

Associate Professor (Otaru University of Commerce): mostly taught in Japanese
Current Economic Issues (for undergraduate), Fall 2007
Financial Economics (for undergraduate), Spring 2008
Financial Economics (for Master: *taught in English*), Spring 2008
Money and Banking (for undergraduate), Fall 2007, Spring 2008

Assistant Professor (SUNY at Buffalo): Taught in English
Capital Markets (for undergraduate), Fall 2002, Fall 2003, Fall 2006
Capital Markets (for Master), Fall 2004
Economics for Asset Evaluation (for Master), Spring 2006. Spring 2007
Financial Economics (for Ph.D.), Fall 2003
Mathematics for Economists (for Master), Fall 2006
Mathematics for Economists I (for Ph.D.), Fall 2002, Fall 2004, Fall 2005
Mathematics for Economists II (for Ph.D.), Spring 2005, Spring 2007
Microeconomic Theory II (for Ph.D.), Spring 2003, Spring 2004
Monetary Theory (financial theory: for Master), Spring 2003, Spring 2004, Spring 2005

Teaching Assistant (Yale University): Taught in English
Financial Markets (for undergraduates), Spring 2002
Microeconomics (for master students), Fall 1998