

Curriculum Vitae, August 2022

NAME Takashi Kunimoto
CITIZENSHIP Japanese

POSITION

Jan 2016 - Present Associate Professor at Singapore Management University (SMU)
Apr 2013 - Dec 2015 Associate Professor at Hitotsubashi University
Oct 2010 - Mar 2013 Assistant Professor at Hitotsubashi University
Aug 2005 - Apr 2011 Assistant Professor at McGill University
Sep 2006 - Apr 2011 Research Fellow at CIREQ

VISITING POSITION

Apr 2014 - Mar 2015 Visiting Lecturer at the Institute of Economic Research
at Kyoto University
Sep 2012 - Feb 2013 Visiting Scholar at National University of Singapore

MAILING ADDRESS

SMU School of Economics
90 Stamford Road
Singapore 178903
PHONE: 65(country number) 6828 9558
EMAIL: tkunimoto@smu.edu.sg
URL: <https://sites.google.com/site/tkunimoto73/>

EDUCATION

May 2005 Ph.D in Economics, Brown University, Providence, RI, the USA
Dissertation: Essays on Bargaining, Contracts, and Implementation
Principal Advisor: Prof. Roberto Serrano
May 2001 M.A. in Economics, Brown University
Mar 1999 M.A. in Economics, Kyoto University, Kyoto, Japan
Mar 1996 B.E. in Mechanical Engineering, Doshisha University, Kyoto, Japan

AREAS OF INTERESTS

Bargaining, Contract Theory, Game Theory, Implementation Theory, Mechanism Design,
Microeconomic Theory

PUBLICATION

- “Getting Dynamic Implementation to Work,” joint with Yi-Chun Chen, Richard Holden, Yifei Sun, and Tom Wilkening, *Journal of Political Economy*, forthcoming.
- “Maskin Meets Abreu and Matsushima,” joint with Yi-Chun Chen, Yifei Sun, and Siyang Xiong, *Theoretical Economics*, forthcoming.

- “Efficient Bilateral Trade via Two-Stage Mechanisms: Comparison between One-Sided and Two-Sided Asymmetric Information Environments,” joint with Cuiling Zhang, *Journal of Mathematical Economics*, vol. 101, (2022), 102714.
- “Rationalizable Implementation in Finite Mechanisms,” joint with Yi-Chun Chen, Yifei Sun, and Siyang Xiong, *Games and Economic Behavior*, vol. 129, (2021), 181-197.
- “On Incentive Compatible, Individually Rational Public Good Provision Mechanisms,” joint with Cuiling Zhang, *Social Choice and Welfare*, vol. 57, (2021), 431-468.
- “Robust Virtual Implementation with Almost Complete Information,” *Mathematical Social Sciences*, vol. 108, (2020), 62-73.
- “Order on Types based on Monotone Comparative Statics,” joint with Takuro Yamashita, *Journal of Economic Theory*, vol. 189, (2020), 105082.
- “Rationalizable Implementation of Correspondences,” coauthored with Roberto Serrano, *Mathematics of Operations Research*, vol. 44, (2019), 1326-1344.
- “Mixed Bayesian Implementation in General Environments,” *Journal of Mathematical Economics*, vol. 82, (2019), 247-263.
- “Robust Virtual Implementation: Toward a Reinterpretation of the Wilson Doctrine,” coauthored with Georgy Artemov and Roberto Serrano, *Journal of Economic Theory*, vol. 148, (2013), 424-447.
- “Subgame Perfect Implementation Under Information Perturbations,” coauthored with Philippe Aghion, Drew Fudenberg, Richard Holden, and Olivier Tercieux, *Quarterly Journal of Economics*, vol. 127(4), (2012), 1843-1881.
- “A New Necessary Condition for Implementation in Iteratively Undominated Strategies,” coauthored with Roberto Serrano, *Journal of Economic Theory*, vol. 146 (2011), 2583-2595.
- “Indescribability and Its Irrelevance for Contractual Incompleteness,” *Review of Economic Design*, vol. 14 (2010), 271-289.
- “Indescribability and Asymmetric Information at the Contracting Stage,” *Economics Letters*, vol. 99 (2008), 367-370.
- “Bargaining and Competition Revisited,” coauthored with Roberto Serrano, *Journal of Economic Theory*, vol. 115 (2004), 78-88.

WORKING PAPERS

- “Compellingness in Nash Implementation,” joint with Shurojit Chatterji and Paulo Ramos, August 2022.
- “Interim Rationalizable Implementation of Functions,” joint with Rene Saran and Roberto Serrano, July 2022.

- “Efficient Bilateral Trade with Interdependent Values: The Use of Two-Stage Mechanisms,” joint with Cuiling Zhang, October 2021.
- “Robust Implementation in Rationalizable Strategies in General Mechanisms,” joint with Rene Saran, May 2021.
- “Continuous Implementation with Payoff Knowledge,” joint with Yi-Chun Chen and Yifei Sun, February 2021.
- “Rationalizable Incentives: Interim Implementation of Sets in Rationalizable Strategies,” joint with Roberto Serrano, January 2020.
- “Implementation with Transfers,” coauthored with Yi-Chun Chen and Yifei Sun, March 2016.
- “Implementation with Near-Complete Information: The Case of Subgame Perfection,” coauthored with Olivier Tercieux, July 2009 (the substantial part of this paper is now incorporated into “Subgame Perfect Implementation Under Information Perturbations”)
- “How Robust is Undominated Nash Implementation?” June 2010.

WORK IN PROGRESS

- “The Interplay of Interdependence and Correlation in Bilateral Trade,” joint with Cuiling Zhang
- “Bounded Depth of Rationality in Robust Implementation,” joint with Rene Saran.
- “Induced Orders on Types in Games,” joint with Takashi Ui and Takuro Yamashita.

TEACHING EXPERIENCE AT SMU

- 2016-22 “Microeconomics I” (graduate)
- 2020-22 “Mathematical Methods for Economic Dynamics” (graduate)
- 2016-21 “Mathematics for Economics” (undergraduate)
- 2016-19 “Economic Dynamics” (undergraduate)

TEACHING EXPERIENCE AT HITOTSUBASHI

- 2015 “Introduction to Game Theory” (undergraduate)
- 2015 “Advanced Mathematics in Economics” (graduate)
- 2012-14 “Mathematics for Economists” (both graduate and undergraduate)
- 2011 “Mathematical Economics” (graduate)
- 2011-15 “Advanced Microeconomics” (both graduate and undergraduate)
- 2012 “Game Theory I” (both graduate and undergraduate)
- 2011 “Game Theory II” (graduate)
- 2010 “Economic Theory I” (both graduate and undergraduate)

TEACHING EXPERIENCE AT MCGILL

- 2007-09 “Mathematical Economics I” (both undergraduate and graduate)
- 2006-08 “Mathematics for Economists” (graduate)
- 2006-10 “Topics in Economic Theory” (undergraduate)
- 2005-09 “Microeconomic Theory I” (graduate)

FELLOWSHIP, SCHOLARSHIP, AWARDS AND GRANTS

- 2022-24 Lee Kong Chiang Fellowship from SMU
- 2021-24 Ministry of Education, Singapore, Academic Research Fund Tier 2
“Robust Design of Institutions: An Implementation Theory Approach”:
Takashi Kunimoto (PI) and Shurojit Chatterji (Co-PI)
- 2011-15 Travel Grant from Hitotsubashi University
- 2013-15 Grant-in-Aid for Young Scientists (B) from the Japan Society for
the Promotion of Science (JSPS)
- 2012-15 Grant-in-aid for Scientific Research (B) from JSPS (co-investigator)
- 2012 Grant from the the Yamada Academic Research Fund
- 2012 Grant from the Japan Center for Economic Research (JCER)
- 2012 Grant from the Seimeikai Foundation
- 2011-12 Startup grant from JSPS
- 2008-10 Fonds Québécois de la Recherche sur la Société et la Culture (FQRSC) Team Grant with
Effrosyni Diamantoudi(Concordia), Licun Xue(McGill), and Szilvia Papai(Concordia)
- 2006-10 Social Sciences and Humanities Research Council (SSHRC) Standard Grant
- 2006-09 FQRSC Individual Grant
- 2005-08 Startup Grant from McGill University
- 2002-04 Research Assistantship, Brown University
- 2003-04 The Stephen Robert Dissertation Fellowship
- 2003 The Abramson and Umezawa-Stoltz award, Brown University
- 2001-03 Teaching Assistantship, Brown University
- 2000-01 The Rotary Ambassadorial Scholarship, the Rotary Foundation
- 1999-2000 Scholarship from the Japan Securities Scholarship Foundation
- 1999-2000 Scholarship from the Asahi Glass Company Scholarship Society

REFEREE ACTIVITY

Econometrica, Economics Bulletin, B.E. Journals of Theoretical Economics, Economics Letters, Games and Economic Behavior, Hitotsubashi Journal of Economics, International Game Theory Review, International Journal of Economic Theory, International Journal of Game Theory, Japanese Economic Review, Journal of Economic Theory, Journal of Mathematical Economics, Journal of Public Economic Theory, Mathematical Social Sciences, Review of Economic Design, Social Choice and Welfare, Theoretical Economics, Theory and Decision.

CONFERENCE PRESENTATION

- **2022:** Game Theory Workshop at Kyoto University (March 4-6), Rajiv Vohra’s 65th Birthday Conference at Brown University (May 13,14) Canadian Economic Theory Conference at Concordia University (May 20-22)
- **2021:** 20th SAET Conference in Seoul (June 13-17), Hitotsubashi Summer Institute: Microeconomic Theory (Aug 20, 21)
- **2020:** Australasian Economic Theory Conference at University of Adelaide (Feb 13-14)
- **2019:** The 30th International Conference on Game Theory at Stony Brook University (July 15-19)

- **2018:** Australasian Economic Theory Conference in at ANU in Canberra (Feb 8-9), Workshop on Game Theory at the Institute of Mathematical Science at NUS (June 4-8), 18th SAET conference in Taipei (June 11-13).
- **2017:** Australasian Economic Theory Conference in Auckland (Feb 13-14), Canadian Economic Theory Conference in Vancouver (May 5-7), 17th SAET Conference in Faro, Portugal (June 25-30), Hitotsubashi Summer Institute: Microeconomic Theory (Aug 1,2), Singapore Joint Economic Theory Workshop (Sep 9).
- **2016:** Canadian Economic Theory Conference at HEC Montreal (May 6-8), 2016 Shanghai Microeconomics Workshop (June 22-23).
- **2015:** 15th SAET Conference at Cambridge Univ. (July 26-31).
- **2014:** 14th SAET Conference at Waseda Univ. (Aug 19-21), Workshop on Coalitions and Networks at Concordia University in Montreal (May 16, 17), The 12th Meeting of the Society for Social Choice and Welfare at Boston College (June 18-21)
- **2013:** 13th SAET Conference in Paris (July), Asian Meeting of the Econometric Society in Singapore (Aug).
- **2012:** 12th SAET Conference in Brisbane, Australia (June-July), Miniconference on Justice, Institution and Behavior at Seoul National University (July).
- **2011:** 11th SAET conference in Faro, Portugal (June-July), Asian Meeting of the Econometric Society in Seoul (August), Decentralization Conference in Japan at University of Tsukuba (Sep, chair of a session)
- **2010:** the CEA annual meeting in Quebec City (May), Summer Workshop on Economic Theory (SWET) at Otaru University (Aug).
- **2009:** the Hitotsubashi Game Theory Workshop (Mar), the 2009 Canadian Economic Theory Conference in Toronto (May), the JEA meeting in Kyoto (Jun), Conferences on Information and Dynamic Mechanism Design at University of Bonn (discussant, Jun), Decentralization Conference in Japan at GRIPS (Aug, chair of a session), 2009 Far East and South Asia Meeting of the Econometric Society at University of Tokyo (Aug), 2009 Summer Workshop on Economic Theory (SWET) at Hokkaido University (August), the-End-of-the-Year Conference at Okayama University (Dec).
- **2008:** the Kyoto Game Theory Workshop (Mar), the Canadian Economic Theory Conference in Vancouver (May), the JEA spring meeting at Tohoku University, Japan (June), the 9th international meeting of the society for Social Choice and Welfare in Montreal (June), the NSF/NBER/CEME Conference on General Equilibrium and Mathematical Economics at Brown (Oct).
- **2006:** The Canadian Economic Association Meeting in Montreal (May), the Canadian Economic Theory Conference in Toronto (May), The Conference on Resource Allocation Rules and Mechanism Design at Yokohama National University (Invited lecture, Dec), the 17th International Conference on Game Theory in Stony Brook (July).

- **2005:** the Econometric Society World Congress (ESWC) 2005 in London (Aug), the 7th Society of Advancement for Economic Theory (SAET) conference 2005 in Vigo, Spain (June-July), the JEA meeting at Kyoto Sangyo University, Japan (June)
- **2003:** the Japanese Economic Association (JEA) meeting at Oita University, Japan

SEMINAR PRESENTATION

- **2021:** Kyoto Institute of Economic Research (KIER) at Kyoto University (Feb 18), Keio University (Apr 16), Korea University (Oct 7)
- **2020:** Institute of Social and Economic Research (ISER) at Osaka University (Jan), Deakin University (Feb)
- **2019:** Okayama University (Jan), Bocconi University (April), Hitotsubashi University (May), Academia Sinica (June), KIER at Kyoto University (July), ISER at Osaka University (Aug)
- **2018:** ISER at Osaka University (Feb). Cardiff Business School (March), University of Michigan (April), McMaster University (April), NYU-Shanghai (April), University of Western Australia (May), Deakin University (May), University of Melbourne (May)
- **2017:** Deakin University (Feb), Indian Statistical Institute (Feb), ISER at Osaka University (May).
- **2016:** Academia Sinica (June), Hitotsubashi University (June), ISER at Osaka University (July).
- **2015:** Okayama University (Nov), Hitotsubashi University (Dec) Deakin University (Feb, Oct), Monash University (Feb), Singapore Management University (Feb).
- **2014:** National University of Singapore (Jan), Keio University (Apr), Shanghai University of Finance and Economics (May), Hitotsubashi University (Oct), University of Tokyo (Oct), Bilkent University (Nov), KIER at Kyoto University (Nov).
- **2013:** National University of Singapore (Jan), Otaru University of Commerce (Feb), McGill University (Mar), Concordia University (Mar), Osaka University (May), Academia Sinica (Oct), University of Tokyo (Nov).
- **2012:** Okayama University (Jan) and National University of Singapore (Oct).
- **2011:** National University of Singapore (March, Lectures on Mechanism Design and Seminar Presentation), Niigata University (Oct).
- **2010:** KIER at Kyoto University (May), Okayama University (July), Hitotsubashi University (July), Tokyo Institute of Technology (July), University of Tokyo (Nov), Ryukoku University (Nov).
- **2009:** Paris School of Economics (Feb), Kobe University (June), University of Tsukuba (Jun), McGill University (Jul), Okayama University (Aug), Keio University (Dec), Hitotsubashi University (Dec), University of Toyama (Dec).
- **2008:** Hong Kong University of Science and Technology (Feb), Osaka City University (July), McGill University (Aug, Oct), Penn State University (Oct).

- **2007:** Kobe University (May), Hitotsubashi University (Oct), Kyoto University (Jan), University of Montreal (Feb), McGill University (July).
- **2006:** Fukuoka University, Hitotsubashi University, Kobe University, KIER at Kyoto University, McGill University, McMaster University (Oct), Nagoya University, Queen's University (Nov), Tohoku University, Tokyo Institute of Technology, and Waseda University
- **2005:** Arizona State University (Jan), Bilkent University (Feb), Brown University, Doshisha University, Hitotsubashi University, Koc University (Feb), McGill University (Jan), Sabanci University (Feb), Stanford MS&E (Mar), Tokyo Institute of Technology, and Waseda University.
- **2004:** Brown University, Doshisha University, Fukuoka University, Kansai University, Kobe University, Kyoto University, Tokyo Metropolitan University, University of Tokyo, Waseda University
- **2003:** Brown University, Doshisha University, Fukuoka University, Hitotsubashi University, Kobe University, Kyoto University, Osaka University, Tokyo Metropolitan University, and Waseda University, University of Tokyo.

POSTDOCTORAL ADVISER

Paulo Ramos, 2022 Ph.D from Singapore Management University (SMU), 2022-2024 at SMU

PH.D DISSERTATION COMMITTEE [(*) if Main Advisor]

Paulo Ramos (2022)	“Essays on Social Choice and Implementation Theory” (SMU)
Cuiling Zhang (2020) (First Placement: Dongbei University of Finance and Economics)	“Essays on a Mechanism Design Approach to the Problem of Bilateral Trade and Public Good Provision” (*) (SMU)
Peng Liu (2017)	“Essays on Random Assignment Problems” (SMU)
Huaxia Zeng (2016)	“Three Essays on Random Mechanism Design” (SMU)
Kazuya Kikuchi (2014)	“Political Competition and Preference Aggregation under Representative Democracy” (Hitotsubashi)
Takeshi Nishimura (2014)	“Optimal Design of Procurement Mechanisms” (Hitotsubashi)
Yasuhiro Shirata (2012)	“Trading in Networked Market” (Hitotsubashi)
Jin Zhang (2009)	“Three Essays on Free Trade and R&D Collaborations: A Network Approach” (McGill)
Lingling Zhang (2008)	“Endogenous Coalition Formation: Theory and Applications” (McGill)

PUBLICATION IN JAPANESE

- “The Theory of Bayesian Implementation,” in *The Microeconomics of Organisations and Institutions* edited by Kazumi Hori, Naoki Watanabe, and Takashi Kunimoto, (2015), Kyoto University Press.
- “How to Design a Better Society: The Case of Kidney Exchange,” in *Kyouyou to Shite no Keizaigaku* edited by School of Economics at Hitotsubashi University, (2013), Yuhikaku Press.
- “Strategy-Proof Cost Sharing Schemes in an Economy with an Excludable Public Good,” *Kyoto University Keizai Ronso*, vol. 165, (2000), 81-101.

PROFESSIONAL MEMBERSHIP

Econometric Society, the Japanese Economic Association

SERVICE TO THE DEPARTMENT

2018 - Present Ph.D/MPhil Admission and Curriculum Committee (SMU)
2017 - Present Working Paper Series/RePEC Committee (SMU)
2013-15 Recruitment Committee Member (Hitotsubashi)
2013-15 Library (Hitotsubashi)
2012-15 Editorial board member of "Hitotsubashi Economics"
2010-15 Committee member of Microeconomics Comprehensive Exam (Hitotsubashi)
2005-11 Committee member of Microeconomic Theory Comprehensive Exam (McGill)
2005-10 Ph.D Advisor (McGill)
2006-10 Graduate Studies Committee (McGill)
2009-10 Library (McGill)

SERVICE TO THE PROFESSION

Aug 2017 Co-organizer of Hitotsubashi Summer Institute: Microeconomic Theory
Sep 2015 - Present Associate Editor for *Japanese Economic Review*
Aug 2014 Program Committee Member for
Summer Workshop on Economic Theory in Hokkaido
Oct 2014 Program Committee Member for the Autumn Meeting of
the Japanese Economic Association
Sep 15-16, 2012 Program Committee Member for the 18th Decentralization Conference in Japan
Aug 24, 2012 Co-organizer of the Hitotsubashi GCOE Conference on Choice,
Games, and Welfare: "Frontiers in Microeconomic Theory"
Feb 18-19, 2012 Co-organizer of the 2012 edition of GCOE Conference
on Choice, Games, and Welfare at Hitotsubashi University
Sep 16-17, 2011 Program Committee Member, the 17th Decentralization Conference in Japan
Jun 15-17, 2011 Program Committee Member, Congress of the Society for Economic Design
May 21-23, 2010 Co-organizer of the Canadian Economic Theory Conference (CETC)
May 28-30, 2010 Program Committee Member, the 44th CEA annual meeting

SERVICE TO THE UNIVERSITY

2015 Member of the Student Affairs Committee (Hitotsubashi)
2011-12, 2013-15 Member of the Entrance Exam Committee (Hitotsubashi)
May 21, 2009 Pro-Dean at the Doctoral Oral Examination of Woo-Jin Yoo
in the Department of Chemistry (McGill)
Sep 26, 2008 Pro-Dean at the Doctoral Oral Examination of Hendrix Demers
in the Department of Mining and Materials Engineering (McGill)
Nov 28, 2007 Pro-Dean at the Doctoral Oral Examination of Liosha Tang
in the Department of Mechanical Engineering (McGill)

SUPERVISION (MASTERS [(*) if Main Advisor]

- Taro Osawa (2016) “On Condorcet’s Jury Theorem” (Hitotsubashi)
Kang-Yu-Xiao Li (2016) “Optimal Simple Mechanisms: The Case of Two Goods” (Hitotsubashi)
Yusuke Mizumoto (2015) “Optimal Design of Communication Platforms” (Hitotsubashi)
Satoshi Nakada (2015) “Stable Matching and Indivisible Goods Trades under Irrational Choice Behavior” (Hitotsubashi)
Kohei Sashida (2015) “An Analysis of Twin Crises under Knightian Uncertainty” (Hitotsubashi)
Satoshi Tanaka (2015) “A Game Theoretic Analysis of Bubble Economies” (Hitotsubashi)
Yixiao Cai (2015) “Analysis on the Vehicle Quota Auction in Shanghai: A Game-Theoretic Approach” (Hitotsubashi)
Xibin Huang (2015) “Incorporating Social Evaluation into Internet Advertising” (Hitotsubashi)
Shifeng Han (2015) “On the Interaction between Firms’ R&D Strategies and the Government’s Subsidy in Oligopoly Market in the Arms Industry.” (Hitotsubashi)
Charbel Rizk (2007) “Predatory Pricing: Theories and Litigations” (*) (McGill)
Yi Xiu Wu (2007) “A Survey Analysis on Discriminatory and Uniform Price for Treasury Auction,” (*) (McGill)
Farnaz Taherkhani (2007) “Probability Elicitation” (McGill)

SUPERVISION (UNDERGRADUATES [(*) if Main Advisor]

- Goki Sato (2016) “The Analysis of Auctions” (*) (Hitotsubashi)
Ryo Sato (2016) “On the Refinements of Nash Equilibrium” (*) (Hitotsubashi)
Kenji Watanabe (2016) “On Communication: Singaling and Cheap-Talk Games” (*) (Hitotsubashi)
Taku Ando (2016) “The Emergence of Cooperation via Repeated Prisoner’s Dilemma Game” (*) (Hitotsubashi)
Kei Okabe (2016) “An Investigation on How Adding More Actions and/or Types to a Bayesian Game Affect its Prediction” (*) (Hitotsubashi)
Akihiro Hayashi (2015) “On Incentive Design in Moral Hazard Problems” (*) (Hitotsubashi)
Hirona Kimura (2015) “On Reputation Building in Chain-Store Games” (*) (Hitotsubashi)
Mamoru Kinoshita (2015) “An Analysis of Cooperation in Infinitely Repeated Games” (*) (Hitotsubashi)
Ryota Takekawa (2015) “On Bargaining Games and Its limitation” (*) (Hitotsubashi)
Winnie Zou (2010) “Job Market Signaling: Equilibrium Robustness and Applications” (*) (McGill)

REFERENCES

Available upon Request.