

Curriculum Vitae

October 17, 2020

Tadashi Shigoka

Year of Birth: 1963

Education

- Ph. D in Economics, Yale-Graduate School, Yale University, 1993.
- Bachelor of Economics, Faculty of Economics, University of Tokyo, 1985.

Major: Nonlinear Economic Dynamics

Employment

- Professor, Institute of Economic Research, Kyoto University, 2003-the present.
- Assistant Professor, Institute of Economic Research, Kyoto University, 1993-2003.
- Assistant, Faculty of Economics, University of Tokyo, 1992-1993.

Professional Activities

- Lectures in the Graduate Course
Economic Dynamics, Price Theory, Advanced Microeconomics (the first half),
Mathematics for Economics (the first half).
- Conference Presentations
 1. Tadashi Shigoka (with Jess Benhabib and Kazuo Nishimura), "Bifurcation and Sunspots in the Continuous Time Equilibrium Model with Capacity Utilization", presented at the 3rd International Conference on Economic Theory: Social Welfare, Market Equilibrium and Stability, held at Miyako Hotel Tokyo, Tokyo in March 2006.
 2. Tadashi Shigoka (with Kazuo Nishimura and Makoto Yano), "Sunspots and Hopf Bifurcations in Continuous Time Endogenous Growth Models", presented at Intertemporal Equilibria, Aggregations and Sunspots: in Honor of Jean-Michel Grandmont, held at Portuguese Catholic University, Lisbon in October 2005.
 3. Tadashi Shigoka (with Kenji Miyazaki and Mitsuru Nakagawa), "An Endogenous Growth Model and Nonstationary Sunspot Equilibria with

Cointegration", presented at International Conference: Dynamic Equilibria, Expectations and Indeterminacy, held at University of Paris 1-Panthéon-Sorbonne, Paris in June 1999.

4. Tadashi Shigoka, "On the Nonstationary Sunspot Equilibria Generated by an Unbounded Growth Model", presented at the Technical Symposium on "Recent Developments in Growth Economics" at the Center for Japan-U.S. Business and Economic Studies, New York in April 1995.
5. Tadashi Shigoka, "A Note on Woodford's Conjecture: Constructing Stationary Sunspot Equilibria in a Continuous Time Model", presented at International Conference on Endogenous Growth and Nonlinear Economic Dynamics, held at Meiji Gakuin University, Tokyo, Japan in November 1993.

- Book Review

Tadashi Shigoka, "Shin-ichi Fukuda, Macroeconomics of Price Volatility", **The Economic Review**, 49, pp. 91-92, January 1998 (in Japanese).

- I have been asked by the following journals to referee some articles.

Journal of Economic Dynamics and Control, Journal of Economic Theory, Journal of Macroeconomics, Japanese Economic Review, International Journal of Economic Theory.

Research Articles

- Refereed Articles

1. Tadashi Shigoka (with Kazuo Nishimura), "Hopf Bifurcation and the Existence and Stability of Closed Orbits in Three-Sector Models of Optimal Endogenous Growth," **Studies in Nonlinear Dynamics & Econometrics**, De Gruyter, Vol. 23 (4), pp. 1-21, September 2019.
2. Tadashi Shigoka (with Hiromi Murakami and Kazuo Nishimura), "Homoclinic Orbit and Stationary Sunspot Equilibrium in a Three-Dimensional Continuous-Time Model with a Predetermined Variable," Sunspots and Non-Linear Dynamics: Essays in Honor of Jean-Michel Grandmont, Studies in Economic Theory, Springer, (Kazuo Nishimura, Alain Venditti and Nicholas C. Yannelis, eds.), pp. 175-200, 2016.
3. Tadashi Shigoka (with Kazuo Nishimura), "An Alternative Proof of the Theorem of Woodford on the Existence of a Sunspot Equilibrium in a Continuous-Time Model," Essays in Economic Dynamics: Theory, Simulation Analysis, and Methodological Study, Springer, (Akio Matsumoto, Ferenc Szidarovszky and Toichiro Asada, eds.), pp. 23-32, 2016.

4. Tadashi Shigoka (with Paolo Mattana and Kazuo Nishimura), "Homoclinic Bifurcation and Global Indeterminacy of Equilibrium in a Two-Sector Endogenous Growth Model", **International Journal of Economic Theory** 5, pp, 25-47, 2009.
5. Tadashi Shigoka (with Jess Benhabib and Kazuo Nishimura), "Bifurcation and Sunspots in the Continuous Time Equilibrium Model with Capacity Utilization", **International Journal of Economic Theory** 4, pp. 337-355, 2008.
6. Tadashi Shigoka (with Kazuo Nishimura), "Sunspots and Hopf Bifurcations in Continuous Time Endogenous Growth Models", **International Journal of Economic Theory** 2, pp.199-216, 2006.
7. Tadashi Shigoka (with Kazuo Nishimura and Makoto Yano), "Optimal Topological Chaos in Dynamic Economies", **Proceedings of the Sixth International Conference on Difference Equations, Augsburg, Germany 2001**, (B. Aulbach, S. Elaydi, and G. Ladas, eds), pp. 189-198, 2004.
8. Tadashi Shigoka (with Michele Boldrin, Kazuo Nishimura and Makoto Yano), "Chaotic Equilibrium Dynamics in Endogenous Growth Models", **Journal of Economic Theory** 96, pp. 97-132, 2001.
9. Tadashi Shigoka (with Kazuo Nishimura and Makoto Yano), "Interior Optimal Chaos with Arbitrarily Low Discount Rates", **Japanese Economic Review** 49, pp. 223-233, 1998.
10. Tadashi Shigoka, "On the Nonstationary Sunspot Equilibria Generated by an Unbounded Growth Model", **Japan and the World Economy** 9, pp. 261-277, 1997.
11. Tadashi Shigoka, "A Note on Woodford's Conjecture: Constructing Stationary Sunspot Equilibria in a Continuous Time Model", **Journal of Economic Theory**, 64, pp. 531-540, 1994.

- Other Articles

1. Tadashi Shigoka (with Luis Bettencourt and Kazuo Nishimura), "Hopf Bifurcation and the Existence and Stability of Closed Orbits in Three-Sector Models of Optimal Endogenous Growth", **Raising Market Quality, Integrated Design of "Market Infrastructure"** 2008-2013, pp.207-235, 2013.
2. Tadashi Shigoka, "On the Stationary Sunspot Equilibria in a Continuous Time Model with a Predetermined Variable and an Unstable Root", **Institute of**

Mathematical Analysis, Lecture Note Series 987, pp. 6-21, April 1997.

3. Tadashi Shigoka, (with Kazuo Nishimura, Makoto Yano and Keiichiro Iwai), "Topological Optimal Chaos", **Institute of Mathematical Analysis, Lecture Note Series 987**, pp. 84-106, April 1997.