

Takao Terano



Takao TERANO is currently a professor, Chiba University of Commerce. He is both Professor Emeritus both of Tokyo Institute of Technology and University of Tsukuba, Japan. He received BA degree in Mathematical Engineering in 1976 from University of Tokyo, M. A. degree in Information Engineering in 1978 from University of Tokyo, and Doctor of Engineering Degree in 1991 from Tokyo Institute of Technology. His research interests include Agent-based Modeling, Knowledge Systems, Evolutionary Computation, and Service Science. He is a member of the editorial board of major Artificial Intelligence- and System science- related academic societies in Japan and a member of IEEE. He is also the president of PAAA.

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Professional positions:

- Principal Research Scientist, Central Research Institute of Electric Power Industry, Japan, 1978-1989
- Professor, Graduate School of Business Science, University of Tsukuba, 1990-2003
- Professor, Department of Computational Intelligence and System Science, Interdisciplinary Graduate School of Science and Engineering, Tokyo Institute of Technology, 2003-2016
- Professor, Department of Computer Science, School of Computing, Tokyo Institute of Technology 2016-2018. (Because of the change of organizational structure of Tokyo Institute of Technology)

- Research Fellow, Center for Research and Development Strategy, Japan Science and Technology Agency 2012-2015
- Member of Scientific Board of Austrian Center for Digital Production 2018-Present
- Professor, Chiba University of Commerce 2019-Present

Recent articles in academic journals and/or conferences:

- Fernando Koch, Atsushi Yoshikawa, Shihan Wang, Takao Terano (eds.): Evolutionary Computing and Artificial Intelligence: Essays Dedicated to Takao Terano on the Occasion of His Retirement. (Communications in Comp & Inf. Sci. Book 999) Springer, 2019.
- Takao Terano: Gallery for Evolutionary Computation and Artificial Intelligence Researches: Where Do We Come from and Where Shall We Go. in Setsuya Kurahashi, Hiroshi Takahashi (eds.): Innovative Approaches in Agent-Based Modelling and Business Intelligence. Springer, pp. 1-8, 2018.
- Taisei MUKAI, Takao TERANO: Inter-Business Trading Structure Model with Agent-Based Simulation and Its Application to Real Data. SICE Journal of Control, Measurement, and System Integration 2019 Volume 12 Issue 1 11-19 <https://doi.org/10.9746/jcmsi.12.11>
- Takao Terano: This Is How I Feel About Complex Systems. in Fernando Koch, Atsushi Yoshikawa, Shihan Wang, Takao Terano (eds.): Evolutionary Computing and Artificial Intelligence Essays Dedicated to Takao Terano on the Occasion of His Retirement, Springer, pp. 1-7, 2019.
- Masaki Kitazawa, Satoshi Takahashi, Toru B. Takahashi, Atsushi Yoshikawa, and Takao Terano: Real Time Workers' Behavior Analyzing System for Productivity Measurement Using Wearable Sensor. SICE Journal of Control, Measurement, and System Integration, Vol. 10, No. 6, pp. 536-543, 2017.
- Takamasa Kikuchi, Masaaki Kunigami, Takashi Yamada, Hiroshi Takahashi, Takao Terano: Simulation on the Effect of Financial Regulation on Stability of Financial System and Financial Institution Behavior. Proc. SSC 2017 #272, 7 pp., Dublin, 20-17. Sept.25-29, 2017
- Satoshi Takahashi, Toru B. Takahashi, Akiko Orita, Atsushi Yoshikawa, Takao Terano: The More You Know, the Easier It Is to Learn: Requirements for a Support System to Facilitate Case Method Learning. Information and Systems in Education, Vol. 15, No. 1, pp.28-41, 2016. (Released on J-STAGE 20170317)
- Chao Yang, Bin Jiang, Isao Ono, Setsuya Kurahashi, Takao Terano: A Grid Based Simulation Environment for Agent-Based Models with Vast Parameter Spaces. Cluster Computing, Volume 19 Issue 1, March 2016.
- Yutaka Nakai, Yuhsuke Koyama, Takao Terano (eds.): Agent-Based Approaches in Economic Social Complex Systems VIII. Post-Proceedings of the AESCS International Workshop 2013, Springer Verlag, Agent-Based Social Systems 13, 2015.
- Satoshi Takahashi, Toru B. Takahashi, Atsushi Yoshikawa, Takao Terano: If Experience is Worth, How Experts Behave in a Manga Case Proc.DigitalWorld 2015, The Seventh International Conference on Information, Process, and Knowledge Management (eKNOW2015), pp. 159-165, 2015, Mar.

- Ayako Ishiyama, Fusako Kusunoki, Satoru , Shigenori Inagaki Takao Terano: A Self-Made Personal Explanation Aid for Museum Visitors. Proc. Computation World 2015, The Seventh International Conference on Creative Content Technologies (CONTENT 2015), pp. 41-48, 2015, Mar.
- Mhd Irvan, Na Chang, Takao Terano: Designing a Situation-aware Movie Recommender System for Smart Devices. Proc. The Sixth International Conference on Information, Process, and Knowledge Management (eKnow 2014) pp. 24-27, March 2014.
- Tomomi Kobayashi, Satoshi Takahashi, Masaaki Kunigami, Atsushi Yoshikawa, Takao Terano: How can Start-up Business Firms Keep the Motivations of Employees? -Analyzing Organizational Management Strategies through an Agent Based Model-. Proc. The Sixth International Conference on Information Process, and Knowledge Management (eKnow 2014) pp. 173-178, March 2014.
- Chathura Rajapakse, Takao Terano: A Social Simulation Study of Customer Loyalty Formation from a Service-Dominant Logic Perspective. Proceedings of the 5th. World Congress on Social Simulation (WCSS 2014)(Edward MacKerrow, Takao Terano, Flaminio Squazzoni, Jaime Simao Sichman, eds.), pp. 221-233, 2014.
- Fumihiro Sakahira and Takao Terano: Rewinding the Dynamics between Two Japanese Ancient Descents -What would happen from the Jomon to the Yayoi Periods in Japan? #33 SOCIAL SIMULATION CONFERENCE 2014 (SSC'14).
- Fumihiro Sakahira and Takao Terano: Rewinding the Dynamics between Two Japanese Ancient Descents -What would happen from the Jomon to the Yayoi Periods in Japan? #33 SOCIAL SIMULATION CONFERENCE 2014 (SSC'14).
- Masaki KITAZAWA, Fumiaki SATO, Takashi YAMADA, Masakazu Takahashi, Takao TERANO: How Do Customers Buy Them at a Supermarket? Behavior Analysis from Real Observation and Agent Simulation. Proc. Second Asian Conference on Information Systems (ACIS2013), pp. 217-222, Nov., 2013.
- Takashi Yamada, Takao Terano: Rule learning with adaptive learning and quasi fictitious play in “do-it-yourself lottery” with incomplete information. Proc. The 8th International Workshop on Agent-based Approach in Economic and Social Complex Systems(AESCS2013) pp. 135-146, Sept. 2013.
- Satoshi Takahashi, Tomomi Kobayashi, Masaaki Kunigami, Takashi Yamada, Gaku Yamamoto, Atsushi Yoshikawa, Takao Terano: Relations between Partial Diversity and Organizational Performance in an Organization. SICE Journal of Control, Measurement, and System Integration (SICE JCMSI), Vol. 6, No. 2, pp. 147-156, March 2013.
- Sayuri Yoshizawa, Takao Terano, Atsushi Yoshikawa: Assessing the Impact of Student Peer Review in Writing Instruction by Using the Normalized Compression Distance. IEEE Transactions on Professional Communication, 10.1109/TPC.2011.2172833, Vol. 55, No. 1, pp. 85-96, 2012.
- Yuan-Hsin Chen, Shi-Jinn Horng, Ray-Shine Run, Jui-Lin Lai, Rong-Jian Chen, Wei-Chih Chen, Yi Pan, Terano Takao : A Novel Anti-collision Algorithm in RFID Systems for Identifying Passive Tags. IEEE Transactions on Industrial Informatics (SCI 2/33, 2.356), Vol. 6, No.1, Feb. 2010, pp. 105-121. (Best Paper Awarded 2011, IEEE Industrial Informatics)
- Masaaki Kunigami, Masato Kobayashi, Satoru Yamadera, Takashi Yamada, Takao Terano: A Doubly Structural Network Model: Bifurcation Analysis on the Emergence of Money. Evolutionary and Institutional Economics Review, Vol.7 No.1, pp.65-85, 2010.

- Chao Yang, Setsuya Kurahashi, Keiko Kurahashi, Isao Ono, Takao Terano: Agent-Based Simulation on Women's Role in a Family Line on Civil Service Examination in Chinese History. Journal of Artificial Societies and Social Simulation vol. 12, no. 2, <<http://jasss.soc.surrey.ac.uk/12/2/5.html>>, 2009.

Distinctions and Grants

2008-2010; 2002-2005: Japan Society for the Promotion of Science, Grant-in-Aid in Basic Research (B) (Japan)

2012-2013; 2006-2007: Japan Society for the Promotion of Science, Grant-in-Aid in Basic Research Houga Kenkyuu (Japan)

2011-2015: Japan Society for the Promotion of Science, Japan-France Cooperative Research (ANR)<CHORUS>

2013-2016: Japan Society for the Promotion of Science, Grant-in-Aid in Basic Research (A) (Japan)

2018-2021: Japan Society for the Promotion of Science, Grant-in-Aid in Scientific Research, Challenging Research (Exploratory) (Japan)

2010 JST RISTEX Research Grant in Service Science (Japan)

2007 METI Grant for Productivity Improvement in Service Industries (Japan)