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Yusuke Kishita, Ph.D.

Associate Professor, Department of Precision Engineering, School of Engineering, The University of Tokyo

Research interests

Scenario design, Life cycle engineering, Design engineering, Circular economy, EcoDesign, Backcasting, Sustainability Science

Short bio

He has been working as Associate Professor at the University of Tokyo since 2021. Prior to taking the current position, he worked at Osaka University as Postdoc and Assistant Professor (2011-2014), National Institute of Advanced Industrial Science and Technology (AIST) as Research Scientist in 2015, and The University of Tokyo as Lecturer (2016-2020). He served as Guest Researcher at Technische Universität Braunschweig (August-November 2019) and Visiting Academic Fellow at University of Cambridge (December 2019-February 2020). He holds MSc and Ph.D. in Mechanical Engineering from Osaka University. He has been appointed as one of The University of Tokyo Excellent Young Researchers in 2017.

Education

September 2010	Ph.D., Mechanical Engineering, Osaka University, Japan
September 2007	MSc, Mechanical Engineering, Osaka University, Japan
March 2006	BSc, Mechanical Engineering, Osaka University, Japan

Academic Appointments

2021-Present	Associate Professor, Department of Precision Engineering, School of Engineering, The University of Tokyo
2020-2021	Lecturer (part-time), Graduate School of System Design and Management, Keio University
2019-Present	Collaborative Research Scientist, National Institute of Advanced Industrial Science and Technology (AIST)
2019-2020	Visiting Academic Fellow, Institute for Manufacturing (IfM), Department of Engineering, University of Cambridge (December 2019-February 2020)
2019	Guest Researcher, Institut für Werkzeugmaschinen und Fertigungstechnik (IWF) Technische Universität Braunschweig (August-November 2019)
2016-2020	Lecturer, Department of Precision Engineering, School of Engineering, The

	University of Tokyo
2015	Research Scientist, Advanced Manufacturing Research Institute, National Institute of Advanced Industrial Science and Technology (AIST)
2012-2014	Assistant Professor, Center for Environmental Innovation Design for Sustainability (CEIDS), Osaka University
2011	Postdoc Researcher, Department of Mechanical Engineering, Graduate School of Engineering, Osaka University
2010	Research Fellow (PD), Japan Society for the Promotion of Science (JSPS)

Other Appointments and Affiliations

2015-2016	Invited Faculty Staff, Department of Mechanical Engineering, Graduate School of Engineering, Osaka University
2013-2014	Visiting Associate Professor, Research Institute for Humanity and Nature (RIHN)
2012-2015	Assistant Professor, Department of Mechanical Engineering, Graduate School of Engineering, Osaka University
2009-2010	Research Fellow (DC2), Japan Society for the Promotion of Science (JSPS)
2007-2009	Research Assistant, Department of Mechanical Engineering, Graduate School of Engineering, Osaka University

Current Research

- Scenario design for sustainable futures
- Design of platform-based circular economy business
- Participatory backcasting and visioning for sustainability
- Digital technology-assisted service system design considering social impacts
- Scenario simulation for sustainable energy system (including uptake of new energy-related products)
- Roadmap design for sustainable manufacturing industry toward carbon neutrality

Awards and Honors

1. Yusuke Kishita, Fuwei Tao, Christian Scheller, Steffen Blömeke, Yasushi Umeda, Christoph Herrmann, Thomas Spengler, Best Paper Award, The 19th International Conference on Precision Engineering 2022 (ICPE 2022), 30 November, 2022.
2. Yusuke Kishita, Satomi Award, The Satomi Scholarship Foundation, 7 August 2020.
3. Yusuke Kishita, Certificate of Merit for Frontier Achievement, *Japan Society of Mechanical Engineers (JSME) Design and Systems Division*, 26 September 2019.
4. Yusuke Kishita, the 7th Kaya Award, “Future Design of Energy Visions on Municipal Scale,” *Japan Society of Energy and Resources*, 5 August 2019.
5. Yusuke Kishita, the Young Scientists’ Prize of the Commendation for Science and Technology by the Minister of Education, Culture, Sports, Science and Technology 2019, *Ministry of Education, Culture,*

Sports, Science and Technology, 17 April 2019.

6. Kohei Saiki, Yusuke Kishita, and Yasushi Umeda, EcoDesign 2017 Best Paper Award, EcoDesign 2017: 10th International Symposium on Environmentally Conscious Design and Inverse Manufacturing, 1 December 2017.
7. Yusuke Kishita, Best Presentation Award, Asia Design Engineering Workshop (A-DEWS) 2016, 13 December 2016.
8. Yusuke Kishita, JSME Encouragement Award, *Japan Society of Mechanical Engineers (JSME)*, 17 April 2015.
9. Yusuke Kishita, Naoto Kurahashi, Yohei Yamaguchi, Yoshiyuki Shimoda, Shinichi Fukushige, and Yasushi Umeda, "Reviewers' Favourite" Award, *International Conference on Engineering Design (ICED) 2013*, 22 August 2013.
10. Yusuke Kishita, Encouragement Award, *Japan Society of Mechanical Engineers (JSME) Design and Systems Division*, 27 September 2012.
11. Yusuke Kishita, Research Encouragement Award, *Society of Automotive Engineers of Japan*, 1 March 2011.
12. Yusuke Kishita, JSME Miura Award, *Japan Society of Mechanical Engineers (JSME)*, March 2008.
13. Yusuke Kishita, Tatsuro Shinohara, Shinichi Fukushige, Yasushi Umeda, and Jun Fujimoto, EcoDesign2007 Best Paper Award, EcoDesign 2007: 5th International Symposium on Environmentally Conscious Design and Inverse Manufacturing, 12 December 2007.
14. Yusuke Kishita, Best Presentation Award, *Japan Society for Precision Engineering (JSPE) Autumn Meeting 2017*, September 2007.
15. Yusuke Kishita, Osaka University Engineering Award, *Osaka University School of Engineering*, March 2006.

International Scientific Committees

2021-Present	Co-chair and Program Chair, The 15th Biennial International Conference on EcoBalance (EcoBalance 2022) (Fukuoka, Japan)
2022	Scientific Committee Member, IEEE Technology and Engineering Management Society Conference: Asia-Pacific (TEMSCON-ASPAC 2022)
2021-2022	Program Committee Member, ICT for Sustainability (ICT4S) (Plovdiv, Bulgaria)
2021-Present	Editorial Board Member of Scientific Reports
2020	Guest Editor for Special Issue on Methodology for Science Technology Innovation (STI) Governance, Foresight, and Roadmapping – STI Foresight and Governance
2020	Sustainable Organizations Section Review Editor, Editorial Board of Frontiers in Sustainability
2019	Editor-in-chief for Special Issue on the 9th Asian Conference on Design and Digital Engineering (ACDDE 2018) in Journal of Advanced Mechanical Design, Systems, and Manufacturing (JAMDSM)

2019-2021	Organizing Committee Member, EcoBalance 2020: The 14th Biennial International Conference on EcoBalance (Sendai, Miyagi, Japan)
2018-Present	Inaugural Editorial Board Member, Futures & Foresight Science (Wiley)
2018-2020	Executive Committee Program Chair, EcoDesign 2019: 11th International Symposium on Environmentally Conscious Design and Inverse Manufacturing (Yokohama, Japan)
2018	International Program Committee Co-chair, Asian Conference on Design and Digital Engineering (ACDDE) 2018 (Okinawa, Japan)
2017-2019	Organizing Committee Member, EcoBalance 2018: The 13th Biennial International Conference on EcoBalance (Tokyo, Japan)
2017	"PLM Smart Manufacturing Workshop" Session Chair, Asian Conference on Design and Digital Engineering (ACDDE) 2017 (Zhangjiajie, China)
2017	International Executive Committee Member, EcoDesign 2017: 10th International Symposium on Environmentally Conscious Design and Inverse Manufacturing (Tainan, Taiwan)
2016-2017	Scientific Committee Member, the 21st International Conference on Engineering Design 2017 (Vancouver, Canada)
2016-2017	Program Committee Chair, Asia Design Engineering Workshop (A-DEWS) 2016 (Osaka, Japan)
2015-2017	Organizing Committee Member (Secretary), the 24th CIRP Conference on Life Cycle Engineering 2017 (Kamakura, Japan)
2014-2015	Scientific Committee Member, the 20th International Conference on Engineering Design 2015 (Milan, Italy)
2014-2016	Organizing Committee Domestic Member, EcoDesign 2015: 9th International Symposium on Environmentally Conscious Design and Inverse Manufacturing (Tokyo, Japan)

Publications

Peer-Reviewed Journal Articles

1. Yosuke Yamashita, Kazunori Yoshida, Yusuke Kishita, Yasushi Umeda, "Defect detection in multiple product variants using hammering test with machine learning," International Journal of Automation Technology, Vol. 16, No. 6, (2022), pp. 783-794.
2. Yusuke Kishita, Takuma Masuda, Hidenori Nakamura, Kazumasu Aoki, "Computer-aided scenario design using participatory backcasting: A case study of sustainable vision creation in a Japanese city," Futures and Foresight Science, e141, doi:10.1002/ffo2.141.
3. Kaito Tsunetomo, Kentaro Watanabe, Yusuke Kishita, "Smart product-service systems design process for socially conscious digitalization," Journal of Cleaner Production, Vol. 368, (2022), p. 133172, doi:10.3390/ijerph19031195.

4. Yasushi Umeda, Ryo Ishida, Gaku Miyake, Yusuke Kishita, Genichiro Matsuda, Akio Tajima, "Pilot study-based sharing system design method," CIRP Annals - Manufacturing Technology, Vol. 71, No. 1, (2022), pp. 1-4, doi:10.1016/j.cirp.2022.03.034.
5. Yusuke Kishita, Kentaro Watanabe, Mai Otsuki, Bach Q. Ho, Maiko Kobayakawa, "Roadmap Design for Envisioning Future Workstyles Using Human Augmentation Technologies," IEEE Engineering Management Review, Vol. 50, No. 2, (2022), pp. 156-164, doi:10.1109/EMR.2022.3174616.
6. Bach Q. Ho, Mai Otsuki, Yusuke Kishita, Maiko Kobayakawa, Kentaro Watanabe, "Human Augmentation Technologies for Employee Well-being: A Research and Development Agenda," International Journal of Environmental Research and Public Health, Vol. 19, No. 3, (2022), pp. 1195, doi:10.3390/ijerph19031195.
7. Yusuke Kishita, Shun Kashima, Kotaro Kawajiri, Yukihiro Isoda, Yoshikazu Shinohara, "Designing Technology Diffusion Roadmaps of Thermoelectric Generators Toward a Carbon-neutral Society," IEEE Transactions on Engineering Management, doi:10.1109/TEM.2021.3125614.
8. Yuki Okada, Yusuke Kishita, Yutaka Nomaguchi, Tomoaki Yano, Koichi Ohtomi, "Backcasting-based Method for Designing Roadmaps to Achieve a Sustainable Future," IEEE Transactions on Engineering Management, Vol. 69, No. 1, (2022), pp. 168-178, doi:10.1109/TEM.2020.3008444.
9. Kotaro Kawajiri, Yusuke Kishita, Yoshikazu Shinohara, "Life Cycle Assessment of Thermoelectric Generators (TEGs) in an Automobile Application," Sustainability, Vol. 13, No. 24, (2021), pp. 13630, doi:10.3390/su132413630.
10. Weipeng Liu, Tao Peng, Yusuke Kishita, Yasushi Umeda, Renzhong Tang, Wangchujun Tang, Luoke Hu, "Critical life cycle inventory for aluminum die casting: A lightweight-vehicle manufacturing enabling technology," Applied Energy, Vol. 304, 15 December (2021), pp. 117814, doi:10.1016/j.apenergy.2021.117814.
11. Shinsuke Kondoh, Yoshiyuki Furukuwa, Yusuke Kishita, "A method for redesigning business workflow for cyber-physical production system," Journal of Advanced Mechanical Design, Systems, and Manufacturing, Vol. 15, No. 5, (2021), pp. 20-00336, doi:10.1299/jamdsm.2021jamdsm0063.
12. Sota Onozuka, Yusuke Kishita, Mitsutaka Matsumoto, Michikazu Kojima, Yasushi Umeda, "An approach to quantifying narrative scenarios for sustainable consumption and production using participatory backcasting," Global Environmental Research, Vol. 25, No. 1, (2021), pp. 23-30.
13. Tomohiro Tasaki, Yusuke Kishita, Eri Amasawa, Pongsun Bunditsakulchai, Jitti Mungkalasiri, Yasuhiko Hotta, Masahiko Hirao, "Co-designing workshops on sustainable consumption and production in Southeast Asia: Application of idea cards and structuring methods," Sustainability: Science, Practice and Policy, Vol. 17, No. 1, (2021), pp. 242-263, doi:10.1080/15487733.2021.1898776.
14. Yusuke Kishita, Yuji Mizuno, Shinichi Fukushige, Yasushi Umeda, “Scenario Structuring Methodology for Computer-Aided Scenario Design: An Application to Envisioning Sustainable Futures,” Technological Forecasting and Social Change, 160, (2020), 120207.
15. Michinori Uwasu, Yusuke Kishita, Keishiro Hara, Yutaka Nomaguchi, “Citizen-participatory Scenario

Design Methodology with Future Design Approach: A Case Study of Visioning for Low-carbon Society in Suita City, Japan," Sustainability, 12(11), 4746, (2020).

16. Shoki Kosai, Yusuke Kishita, Eiji Yamasue, "Estimation of the Metal Flow of WEEE in Vietnam Considering Lifespan Transition," Resources, Conservation and Recycling, Vol. 154, (2020), 104621, doi:10.1016/j.resconrec.2019.104621.
17. Noriaki Nakatsuka, Yusuke Kishita, Tatsuya Kurafuchi and Fumiteru Akamatsu, "Integrating Wastewater Treatment and Incineration Plants for Energy-efficient Urban Biomass Utilization: A Life Cycle Analysis", Journal of Cleaner Production, Vol. 243, (2020), 118448, doi:10.1016/j.jclepro.2019.118448.
18. Marc-Andre Chavy-Macdonald, Kazuya Oizumi, Yusuke Kishita and Kazuhiro Aoyama, "A System Dynamics and Scenarios Framework for Architecting Product Design Goals for Changeability," IEEE Systems Journal, Vol. 13, No. 2, (2019), pp. 1957-1968, doi:10.1109/JSYST.2018.2886565.
19. Kazuki Kaneko, Yusuke Kishita and Yasushi Umeda, "Proposal for the Design of Personalization Procedure," International Journal of Automation Technology, Vol. 12, No. 6, (2018), pp. 833-841, doi:10.20965/ijat.2018.p0833.
20. Yusuke Kishita, Michinori Uwasu, Keishiro Hara, Masashi Kuroda, Hiroyuki Takeda, Yasushi Umeda and Yoshiyuki Shimoda, "Toward Designing Sustainability Education Programs: A Survey of Master's Programs through Semi-structured Interviews," Sustainability Science, Vol. 13, No. 4, (2018), pp. 953-972, doi:10.1007/s11625-018-0546-5.
21. Yutaka Nomaguchi, Hiroki Tanaka, Akiyuki Sakakibara, Kikuo Fujita, Yusuke Kishita, Keishiro Hara, Michinori Uwasu, "Integrated Planning of Low-voltage Power Grids and Subsidies toward a Distributed Generation System: Case Study of the Diffusion of Photovoltaics in a Japanese Dormitory Town," Energy, Vol. 140, Part 1, (2017), pp. 779-793, doi:10.1016/j.energy.2017.08.114.
22. Yusuke Kishita and Yasushi Umeda, "Development of Japan's Photovoltaic Deployment Scenarios in 2030," International Journal of Automation Technology, Vol. 11, No. 4, (2017), pp. 583-591, doi:10.20965/ijat.2017.p0583.
23. Yasushi Umeda, Kazuma Ishizuka, Mitsutaka Matsumoto, Yusuke Kishita, "Modeling Competitive Market of Remanufactured Products," CIRP Annals - Manufacturing Technology, Vol. 66, No. 1, (2017), pp. 61-64, doi:10.1016/j.cirp.2017.04.098.
24. Yusuke Kishita, Benjamin C. McLellan, Damien Giurco, Kazumasu Aoki, Go Yoshizawa and Itsuki C. Handoh, "Designing Backcasting Scenarios for Resilient Energy Futures," Technological Forecasting and Social Change, Vol. 124, November 2017, (2017), pp. 114-125, doi:10.1016/j.techfore.2017.02.001.
25. Yusuke Kishita, Noriaki Nakatsuka and Fumiteru Akamatsu, "Scenario Analysis for Sustainable Woody Biomass Energy Businesses: The Case Study of a Japanese Rural Community," Journal of Cleaner Production, Vol. 142, 20 January 2017, (2017), pp. 1471-1485, doi:10.1016/j.jclepro.2016.11.161.
26. Yusuke Kishita, Yuji Ohishi, Michinori Uwasu, Masashi Kuroda, Hiroyuki Takeda and Keishiro Hara,

"Evaluating the Life Cycle CO2 Emissions and Costs of Thermoelectric Generators for Passenger Automobiles: A Scenario Analysis," Journal of Cleaner Production, Vol. 126, 10 July 2016, (2016), pp. 607-619, doi:10.1016/j.jclepro.2016.02.121.

27. Yusuke Kishita, Yohei Yamaguchi, Yasushi Umeda, Yoshiyuki Shimoda, Minako Hara, Atsushi Sakurai, Hiroki Oka and Yuriko Tanaka, "Describing Long-term Electricity Demand Scenarios in the Telecommunications Industry: A Case Study of Japan," Sustainability, Vol. 8, No. 1, (2016), p. 52 (16 pages), doi:10.3390/su8010052.
28. Yusuke Kishita, Keishiro Hara, Michinori Uwasu and Yasushi Umeda, "Research Needs and Challenges Faced in Supporting Scenario Design in Sustainability Science: A Literature Review," Sustainability Science, Vol. 11, No. 2, (2016), pp. 331-347, doi:10.1007/s11625-015-0340-6.
29. Shinsuke Kondoh and Yusuke Kishita, "Recording the Design Thought Process as Time Variation in Parameter Network," CIRP Annals - Manufacturing Technology, Vol. 65, No. 1, (2016), pp. 197-200, doi:10.1016/j.cirp.2016.04.050.
30. Yutaka Nomaguchi, Kazune Kawakami, Kikuo Fujita, Yusuke Kishita, Keishiro Hara and Michinori Uwasu, "Robust Design of System of Systems Using Uncertainty Assessment Based on Lattice Point Approach: Case Study of Distributed Generation System Design in a Japanese Dormitory Town," International Journal of Automation Technology, Vol. 10, No. 5, (2016), pp. 678-689, doi:10.20965/ijat.2016.p0678.
31. Keishiro Hara, Michinori Uwasu, Yusuke Kishita and Hiroyuki Takeda, "Determinant Factors of Residential Consumption and Perception of Energy Conservation: Time-series Analysis by Large-scale Questionnaire in Suita, Japan," Energy Policy, Vol. 87, December 2015, (2015), pp. 240-249, doi:10.1016/j.enpol.2015.09.016.
32. Shinsuke Kondoh, Hitoshi Komoto, Yusuke Kishita and Nobuo Nakamura, "Toward a Pattern Language for Eco-business Design," International Journal of Automation Technology, Vol. 8, No. 5, (2014), pp. 706-715, doi:10.20965/ijat.2014.p0706.
33. Yuji Mizuno, Yusuke Kishita, Shinichi Fukushige and Yasushi Umeda, "Envisioning Sustainable Manufacturing Industries of Japan," International Journal of Automation Technology, Vol. 8, No. 5, (2014), pp. 634-643, doi:10.20965/ijat.2014.p0634.
34. Yusuke Kishita, Bi Hong Low, Shinichi Fukushige, Yasushi Umeda, Atsushi Suzuki and Takao Kawabe, "Checklist-Based Assessment Methodology for Sustainable Design," ASME Journal of Mechanical Design, Vol. 132, No. 9, (2010), p. 091011, 8 pages, doi:10.1115/1.4002130.
35. Yasushi Umeda, Takeshi Nishiyama, Yasuhiro Yamasaki, Yusuke Kishita and Shinichi Fukushige, "Proposal of Sustainable Society Scenario Simulator," CIRP Journal of Manufacturing Science and Technology, Vol. 1, No. 4, (2009), pp. 272-278, doi:10.1016/j.cirpj.2009.05.005.
36. Yusuke Kishita, Shinichi Fukushige, Yasushi Umeda and Jun Fujimoto, "Modelling, Analysis and Risk Evaluation of Resource Circulation in Asia," International Journal of Environmental Technology and Management, Vol. 11, No. 4, (2009), pp. 290-318, doi:10.1504/IJETM.2009.027612.
37. Yusuke Kishita, Eisuke Kunii, Shinichi Fukushige, Yasushi Umeda and Jun Fujimoto, "Scenario

Analysis of Global Resource Circulation with Traceability Index Targeting Sustainable Manufacturing," International Journal of Automation Technology, Vol. 3, No. 1, (2009), pp. 3-10, doi:10.20965/ijat.2009.p0003.

Review Articles & Book Chapters

1. Yusuke Kishita, "Foresight and Roadmapping Methodology: Trends and Outlook," Foresight and STI Governance, Vol. 15, No. 2, (2021), pp. 5-11, doi:10.17323/2500-2597.2021.2.5.11.
2. Yusuke Kishita, Toshiki Kusaka, Yuji Mizuno, Yasushi Umeda, "Toward theory development in futures and foresight by drawing on design theory: A commentary on Fergnani and Chermack 2021," Futures and Foresight Science, Vol. 3, No. 3-4, (2021), e91, doi:10.1002/ffo2.91.
3. Yusuke Kishita, Mitsutaka Matsumoto, Masato Inoue, Shinichi Fukushige (eds), EcoDesign and Sustainability II, Book series “Sustainable Production, Life Cycle Engineering and Management,” Springer, Tokyo, (2020).
4. Yusuke Kishita, Mitsutaka Matsumoto, Masato Inoue, Shinichi Fukushige (eds), EcoDesign and Sustainability I, Book series “Sustainable Production, Life Cycle Engineering and Management,” Springer, Tokyo, (2020).
5. Noriaki Nakatsuka, Yusuke Kishita, Fumiteru Akamatsu, "Dynamic Simulation of Woody Biomass Co-generation System Considering Time-varying Heat Demand: A Japanese Community Bathhouse Case Study," Yusuke Kishita, Mitsutaka Matsumoto, Masato Inoue, Shinichi Fukushige (eds), EcoDesign and Sustainability II: Social Perspectives and Sustainability Assessment, Springer, Singapore, (2020), pp. 633-646.
6. Kentaro Watanabe, Fumiya Sakamoto, Yusuke Kishita, Yasushi Umeda, "Time-axis Design as an EcoDesign Method," Yusuke Kishita, Mitsutaka Matsumoto, Masato Inoue, Shinichi Fukushige (eds), EcoDesign and Sustainability I: Products, Services, and Business Models, Springer, Singapore, (2020), pp. 19-32.
7. Yusuke Kishita, "Backcasting for Envisioning Sustainable Futures across Multiple Generations," Tatsuyoshi Saijo (ed), Future Design, Springer, Singapore, (2020), pp. 49-68, doi: 10.1007/978-981-15-5407-0_4.
8. Kentaro Watanabe, Yusuke Kishita, Kaito Tsunetomo, Takeshi Takenaka, "Socially-conscious service system design in the digital era: research agenda" Takeshi Takenaka, Spring Han, Chieko Minami (eds), Serviceology for Services: 7th International Conference, ICServ 2020, pp. 266-274, doi:10.1007/978-981-15-3118-7_17.
9. Kazumasu Aoki, Yusuke Kishita, Hidenori Nakamura, Takuma Masuda, "The Use of Backcasting to Promote Urban Transformation to Sustainability: The Case of Toyama City, Japan," Osamu Saito, Suneetha M Subramanian, Shizuka Hashimoto, Kazuhiko Takeuchi (eds), Managing Socio-ecological Production Landscapes and Seascapes for Sustainable Communities in Asia, Springer, Singapore, (2020), pp. 45-66, doi:10.1007/978-981-15-1133-2_4.
10. Shinsuke Murakami, Jun Nakatani, Kenichi Nakajima, Eri Amasawa, Ryota Ii, Kiyotada Hayashi,

Naoki Yoshikawa, Ichiro Daigo, Yusuke Kishita, Tomohiko Ihara, Koichi Shobatake, Yuki Kudoh, Masaharu Motoshita, Keiichiro Kanemoto, Minako Hara, Aiichiro Kashiwagi, Seiji Hashimoto, Yosuke Shigetomi, Masayuki Kanzaki, Yasunori Kikuchi, Hajime Ohno, Yasuhiro Fukushima, "EcoBalance 2018—Nexus of ideas: innovation by linking through life cycle thinking (9–12 October 2018, Tokyo, Japan)," The International Journal of Life Cycle Assessment, Vol. 24, No. 8, (2019), pp. 1544-1552.

11. Kohei Saiki, Yusuke Kishita and Yasushi Umeda, "Describing Diffusion Scenarios for Low-Carbon Products Using Life Cycle Simulation," Technologies and Eco-innovation towards Sustainability II, Hu, A., Matsumoto, M., Kuo, T. and Smith, S. (eds), Springer, Singapore, (2019), pp. 345-359, doi:10.1007/978-981-13-1196-3_27. (presented at EcoDesign 2017)
12. Minako Hara, Atsushi Sakurai, Hiroki Oka, Yuriko Tanaka, Yohei Yamaguchi, Yusuke Kishita, Yasushi Umeda and Yoshiyuki Shimoda, "Analysis Modeling for Electricity Consumption in Communication Buildings," Matsumoto, M., Masui, K., Fukushige, S. and Kondoh, S. (eds), Sustainability Through Innovation in Product Life Cycle Design, Springer, Singapore, (2017), pp. 813-825. (presented at EcoDesign 2015)
13. Benjamin McLellan, Yusuke Kishita and Kazumasu Aoki, "Participatory Design as a Tool for Effective Sustainable Energy Transitions," Matsumoto, M., Masui, K., Fukushige, S. and Kondoh, S. (eds), Sustainability Through Innovation in Product Life Cycle Design, Springer, Singapore, (2017), pp. 583-599. (presented at EcoDesign 2015)
14. Shinsuke Kondoh, Toshitake Tateno, Yusuke Kishita, Hitoshi Komoto and Shinichi Fukushige, "The Potential of Additive Manufacturing Technology for Realizing a Sustainable Society," Matsumoto, M., Masui, K., Fukushige, S. and Kondoh, S. (eds), Sustainability Through Innovation in Product Life Cycle Design, Springer, Singapore, (2017), pp. 475-486. (presented at EcoDesign 2015)
15. Yasushi Umeda, Yusuke Kishita and Tohru Morioka, "Framework of Future Vision, Scenario and Roadmap," Tohru Morioka, Keisuke Hanaki and Yuichi Moriguchi (eds), Establishing a Resource-Circulating Society in Asia: Challenges and Opportunities, United Nations University Press, Tokyo, Japan, (2011), pp. 22-36.
16. Yasushi Umeda and Yusuke Kishita, "Toward the Sustainable Circulation of Products among Asian Countries," Tohru Morioka, Kazuhito Haruki and Helmut Yabar (eds), Transition to a Resource-Circulating Society, Osaka University Press, Osaka, Japan, (2007), pp. 65-76.

Invited Papers/Lectures

1. Yusuke Kishita, "Scenario design approach to envisioning sustainable consumption and production," UTokyo-ICED workshop Sustainable Consumption and Production: A Circular Economy’s Perspective, 9 March 2022, online.
2. Yusuke Kishita, "Collaborative scenario design methodology for sustainable futures," Asia Chapter of the Design Society Networking Meeting, 13 December 2021, online.
3. Yusuke Kishita, "Computer-aided Roadmapping and Scenario Design for Sustainability," 2021 Asia-Pacific Roadmapping Webinar, 28 June 2021.

4. Yusuke Kishita, Sota Onozuka, Mitsutaka Matsumoto, Michikazu Kojima, Yasushi Umeda, "Scenario Design Approach to Envisioning Sustainable Consumption and Production in Asian Context," 6th International Forum on Sustainable Future in Asia, Session3: Sustainable Consumption and Production in Asia, Tsukuba, Ibaraki, 19 January, (2021).
5. Yusuke Kishita, "Scenario design and backcasting for sustainable futures: Theory and practice," The future of mobility through the prism of the backcasting approach, European Commission Joint Research Centre (JRC) Ispra, 20 February 2020.
6. Yusuke Kishita, "Scenario design as an engineering approach to envisioning sustainable manufacturing industry," Internal Seminar at Dyson School of Design Engineering, Imperial College London, 17 February 2020.
7. Yusuke Kishita, “Scenario Design of Sustainable Mobility Futures,” Methods and Tools for Life Cycle-Oriented Vehicle Engineering, Technische Universität Braunschweig, 12 November 2019.
8. Yusuke Kishita and Yuki Okada, "JSME Roadmapping Workshop for Sustainable Manufacturing Visions," JSME Seminar on Technology Roadmapping for Sustainability, Tokyo, 22 March, (2019).
9. Yusuke Kishita, "Backcasting-oriented Roadmap Design for Sustainability: A Case of Japan Society of Mechanical Engineers (JSME)," Strategic Roadmapping Research and Practice in the Asia-Pacific Region, Tokyo, 20 March, (2019).
10. Yusuke Kishita and Mélanie Despeisse, "Scenario Workshop on Future Production Systems for Sustainability," Chalmers University of Technology Production Systems Seminar, Gothenburg, Sweden, November 23, (2018).
11. Yusuke Kishita, "Future Design of Sustainable Energy Visions Using a Backcasting Approach," 4th International Workshop on Clean Energy Development in Asian Cities, Fukuoka, Japan, October 26, (2018).
12. Yusuke Kishita, "Participatory Backcasting Approach to Vision Creation for Sustainability," 2nd International Workshop on Clean Energy Development in Asian Cities (Learning from Real Cases), Kyoto, Japan, Feb 22, (2017).
13. Yusuke Kishita, "Designing Backcasting Scenarios of Resilient Energy Futures - A Case Study of a Japanese Community," International Workshop on Clean Energy Development in Asian Cities (Technological and Political Perspectives), Kyoto, Japan, Mar 28-29, (2016).
14. Yusuke Kishita, Yuji Mizuno and Yasushi Umeda, "Scenario Approach to Designing Sustainable Futures - The Future of Manufacturing Industries to 2050 -," Proc. of International Symposium on Ultraprecision Engineering and Nanotechnology (ISUPEN), Tokyo, Japan, Mar 17, (2015), pp. 22-25.
15. Yusuke Kishita, "A Holistic Approach to Computer-Aided Scenario Design Targeting Sustainable Manufacturing," VTT Otaniemi Campus, Oct 14, (2010).

Conference Papers in International Conferences (Peer-reviewed)

1. Yusuke Kishita, Fuwei Tao, Christian Scheller, Steffen Blömeke, Yasushi Umeda, Christoph Herrmann, Thomas Spengler, "Toward building a circular economy of second-life lithium-ion batteries for electric vehicles - A case study of Japan," The 19th International Conference on Precision Engineering 2022 (ICPE 2022), C151, Nara, Japan, 28 November - 2 December, (2022). [Best Paper Award]
2. Watanabe, K., Ho, B., Otsuki, M., Kishita, Y., Kobayakawa, M. "Human augmentation technology for teleworking in service/non-service industries: a survey in Japan," In: Christine Leitner, Walter Ganz, Clara Bassano, Clara Bassano and Debra Satterfield (eds) The Human Side of Service Engineering. AHFE (2022) International Conference. AHFE Open Access, vol 62. AHFE International, USA, (2022), doi:10.54941/ahfe1002535
3. Fuwei Tao, Yusuke Kishita, Christian Scheller, Steffen Blömeke, Yasushi Umeda, "Designing a Sustainable Circulation System of Second-life Traction Batteries: A Scenario-based Simulation Approach," Procedia CIRP, Vol. 105, (2022), pp. 733-738 (The 29th CIRP Conference on Life Cycle Engineering, Leuven, Belgium, 4-6 April, 2022), doi:10.1016/j.procir.2022.02.122.
4. Takamitsu Hirota, Yusuke Kishita, Masakuni Tsunezawa, Kohei Sugiyama, Kazuyuki Tasaka, Yasushi Umeda, "Developing Architecture for Platform-based Circular Economy Business: An Exploratory Study," Procedia CIRP, Vol. 105, (2022), pp. 642-647 (The 29th CIRP Conference on Life Cycle Engineering, Leuven, Belgium, 4-6 April, 2022), doi:10.1016/j.procir.2022.02.107.
5. Shion Miyoshi, Takumi Segawa, Mariko Takii, Tsuyoshi Imamura, Hideo Sakurai, Yoshinori Kurosawa, Shinsuke Kondo, Yusuke Kishita, Yasushi Umeda, "Evaluation of circularity of components for life cycle design: A toner bottle case study," Procedia CIRP, Vol. 105, (2022), pp. 267-272 (The 29th CIRP Conference on Life Cycle Engineering, Leuven, Belgium, 4-6 April, 2022), doi:10.1016/j.procir.2022.02.044.
6. Ryota Odagaki, Yusuke Kishita, Pongsun Bunditsakulchai, Saroch Boonsiripant, Yasushi Umeda, "Undertaking scenario analysis of the diffusion of car sharing services: A case study in Bangkok, Thailand," Proceedings of EcoDesign 2021: The 12th International Symposium on Environmentally Conscious Design and Inverse Manufacturing, A1-2, Online, Dec 1-3, (2021), pp. 6-13.
7. Takaomi Sato, Shinsuke Kondoh, Yusuke Kishita, Yasushi Umeda, "Applying the Concept of Digital Triplet to Production Systems Consulting," Proceedings of the 10th International Conference on Leading Edge Manufacturing Technologies in 21st Century (LEM21), (2021), pp. 606-610.
8. Duanyang Geng, Steve Evans, Yusuke Kishita, "Visualising Sustainability-Related Information: A Review of Visualisation for Sustainability in Manufacturing Industry," Proceedings of the International Conference on Sustainable Design and Manufacturing, Split, Croatia, September 15-17, (2021), pp. 120-129.
9. Kazuki Kaneko, Yusuke Kishita, Yasushi Umeda, "Conducing Personalization Design Workshops - Designing Personalization Procedures," Procedia CIRP, Vol. 98, (2021), pp. 494-499 (The 28th CIRP Conference on Life Cycle Engineering, Jaipur, India (online), 10-12 March, 2021),

doi:10.1016/j.procir.2021.01.140.

10. Shinsuke Kondoh, Yusuke Kishita, Hitoshi Komoto, "Adaptive Decision-making Method of Life Cycle Options by Using Process Data Collected over Multiple Life Cycle Stages," Procedia CIRP, Vol. 98, (2021), pp. 382-387 (The 28th CIRP Conference on Life Cycle Engineering, Jaipur, India (online), 10-12 March, 2021), doi:10.1016/j.procir.2021.01.121.
11. Sota Onozuka, Yusuke Kishita, Michikazu Kojima, Mitsutaka Matsumoto, Yasushi Umeda, "Quantitative Assessment Method for Supporting Scenario Workshops toward Sustainable Consumption and Production," Procedia CIRP, Vol. 98, (2021), pp. 49-54 (The 28th CIRP Conference on Life Cycle Engineering, Jaipur, India (online), 10-12 March, 2021), doi:10.1016/j.procir.2021.01.004.
12. Kentaro Watanabe, Yusuke Kishita, Kaito Tsunetomo, "Conceptual Design Framework for Digital Technology Assisted Service System," ServDes2020, Melbourne, Australia (online), 3 February, (2021).
13. Kazuya Yufune, Ryo Ishida, Naoya Sato, Yusuke Kishita, Yasushi Umeda, "Developing demand forecasting model of remanufactured parts of mining machinery," the 27th CIRP Conference on Life Cycle Engineering, 13-15 May, (2020).
14. Noriaki Nakatsuka, Yusuke Kishita, Fumiteru Akamatsu, "Dynamic Simulation of Woody Biomass Co-generation System Considering Time-varying Heat Demand: A Japanese Community Bathhouse Case Study," Proc. of EcoDesign 2019: The 11th International Symposium on Environmentally Conscious Design and Inverse Manufacturing, E1-2, Yokohama, Japan, Nov 25-27, (2019), pp. 821-828.
15. Kazunori Yoshida, Tomoaki Hiruta, Yusuke Kishita, Yasushi Umeda, "Model-based Life Cycle Management Using Deterioration Simulation," Procedia CIRP, Vol. 80, (2019), pp. 500-505, doi:10.1016/j.procir.2019.01.098. (Proc. of the 26th CIRP Conference on Life Cycle Engineering 2019, May 7-9, 2019, West Lafayette, Indiana, (2019))
16. Shinsuke Kondoh, Hitoshi Komoto, Yusuke Kishita, "A Problem Formulation of Sustainable Business Design from the Viewpoint of General Design Theory," Procedia CIRP, Vol. 80, (2019), pp. 45-49, doi:10.1016/j.procir.2019.01.052. (Proc. of the 26th CIRP Conference on Life Cycle Engineering 2019, May 7-9, 2019, West Lafayette, Indiana, (2019))
17. Yuki Hongo, Kazuki Kaneko, Yusuke Kishita, Yasushi Umeda, "Proposal of a Workshop-based Design Method of Personalization Procedures," Procedia CIRP, Vol. 80, (2019), pp. 21-26, doi:10.1016/j.procir.2019.01.041. (Proc. of the 26th CIRP Conference on Life Cycle Engineering 2019, May 7-9, 2019, West Lafayette, Indiana, (2019))
18. Miwa Nishinaka, Yusuke Kishita, Hisashi Masuda, Kunio Shirahada, "Concept of Future Prototyping Methodology to Enhance Knowledge Creation within Future Contexts," the 2019 AAAI Spring Symposium Series Technical Report, Palo Alto, 25-27 March, (2019).
19. Yusuke Kishita, Shogo Kuroyama, Mitsutaka Matsumoto, Michikazu Kojima and Yasushi Umeda, "Designing Future Visions of Sustainable Consumption and Production in Southeast Asia," Procedia

CIRP, Vol. 69, (2018), pp. 66-71, doi:10.1016/j.procir.2017.11.150. (Proc. of the 25th CIRP Conference on Life Cycle Engineering 2018, MS03-02, April 30-May 2, 2018, Copenhagen, Denmark, (2018), 6 pages)

20. Kazuki Kaneko, Yusuke Kishita and Yasushi Umeda, "Toward Developing a Design Method of Personalization: Proposal of a Personalization Procedure," Procedia CIRP, Vol. 69, (2018), pp. 740-745, doi:10.1016/j.procir.2017.11.134. (Proc. of the 25th CIRP Conference on Life Cycle Engineering 2018, TS06-04, April 30-May 2, 2018, Copenhagen, Denmark, (2018), 6 pages)
21. Kohei Saiki, Yusuke Kishita, Yasushi Umeda, "Describing Diffusion Scenarios for Low-Carbon Products Using Life Cycle Simulation," Proc. of EcoDesign 2017: 10th International Symposium on Environmentally Conscious Design and Inverse Manufacturing, D4-1, Tainan, Taiwan, Nov 29-Dec 1, (2017).
22. Chuang Bao, Yusuke Kishita and Yasushi Umeda, "Demand Estimation of Consumer Durables in Southeast Asia in 2030: A Business-As-Usual Scenario," Proc. of the 24th CIRP Conference on Life Cycle Engineering 2017, March 8-10, 2017, Kamakura, Japan, (2017), A32-1, 6 pages.
23. Tomoyuki Tamura, Yasushi Umeda and Yusuke Kishita, "Supporting Design for Local Oriented Manufacturing in Developing Countries," Proc. of the 24th CIRP Conference on Life Cycle Engineering 2017, March 8-10, 2017, Kamakura, Japan, (2017), A21-1, 5 pages.
24. Kazuki Kaneko, Yusuke Kishita and Yasushi Umeda, "In Pursuit of Personalization Design," Proc. of the 24th CIRP Conference on Life Cycle Engineering 2017, March 8-10, 2017, Kamakura, Japan, (2017), A13-6, 5 pages.
25. Yusuke Kishita and Yasushi Umeda, "Designing Future Scenarios of Photovoltaic Deployment: A Japanese Case Study," Proc. of Asia Design Engineering Workshop (A-DEWS) 2016, December 12-13, 2016, Osaka, Japan, (2016), Paper No 12, 7 pages. [Best Presentation Award]
26. Yusuke Kishita, Yuji Mizuno and Yasushi Umeda, "Scenario Design Approach to Envisioning Sustainable Manufacturing Industries to 2050," Procedia CIRP, Vol. 48, (2016), pp. 407-412.
27. Shinsuke Kondoh, Toshitake Tateno, Yusuke Kishita, Hitoshi Komoto and Shinichi Fukushige, "The Potential of Additive Manufacturing Technology for Realizing a Sustainable Society," Proc. of EcoDesign 2015: 9th International Symposium on Environmentally Conscious Design and Inverse Manufacturing, D4-1, Tokyo, Japan, Dec 2-4, (2015), pp. 610-615.
28. Minako Hara, Atsushi Sakurai, Hiroki Oka, Yuriko Tanaka, Yohei Yamaguchi, Yusuke Kishita, Yasushi Umeda and Yoshiyuki Shimoda, "Analysis Modeling for Electricity Consumption in Communication Buildings," Proc. of EcoDesign 2015: 9th International Symposium on Environmentally Conscious Design and Inverse Manufacturing, C9-2, Tokyo, Japan, Dec 2-4, (2015), pp. 537-543.
29. Benjamin McLellan, Yusuke Kishita and Kazumasu Aoki, "Participatory Design as a Tool for Effective Sustainable Energy Transitions," Proc. of EcoDesign 2015: 9th International Symposium on Environmentally Conscious Design and Inverse Manufacturing, A5-2, Tokyo, Japan, Dec 2-4, (2015), pp. 77-84.
30. Hitoshi Komoto, Shinsuke Kondoh, Keijiro Masui, Yusuke Kishita, "Integration of Multiple Scenario

Hypotheses for Scenario Simulations," Proceedings of Asian Design Engineering Workshop (A-DEWS) 2015, Hong Kong, October 29-30, (2015).

31. Benjamin McLellan, Damien Giurco, Glen Corder, Artem Golev, Yusuke Kishita, Nick Florin and Samantha Sharpe, "Mineral-water-energy Nexus: Implications of Localized Production and Consumption for Industrial Ecology," 21st International Sustainable Development Research Society Conference: The Tipping Point: Vulnerability and Adaptive Capacity, Geelong, Australia, July 10-12, (2015).
32. Mélanie Despeisse, Yusuke Kishita, Masaru Nakano and Michael Barwood, "Towards a Circular Economy for End-of-life Vehicles: A Comparative Study UK-Japan," Procedia CIRP, Vol. 29, (2015), pp. 668-673.
33. Yuji Mizuno, Naoya Kintoki, Yusuke Kishita, Shinichi Fukushige and Yasushi Umeda, "A Study on Optimum Circulation Period of Products for Minimizing Lifecycle Energy Consumption," Procedia CIRP, Vol. 29, (2015), pp. 597-602.
34. Benjamin McLellan, Nick Florin, Damien Giurco, Yusuke Kishita, Kenshi Itaoka and Tetsuo Tezuka, "Decentalised Energy Futures: The Changing Emissions Reduction Landscape," Procedia CIRP, Vol. 29, (2015), pp. 138-143.
35. Yusuke Kishita, Yuji Ohishi, Michinori Uwasu, Masashi Kuroda, Hiroyuki Takeda and Keishiro Hara, "Assessing the Greenhouse Gas Emissions and Cost of Thermoelectric Generators for Passenger Automobiles: A Life Cycle Perspective," Proc. of the ASME 2014 International Design Engineering Technical Conferences & Computers and Information in Engineering Conference (IDETC/CIE 2014): 19th Design for Manufacturing and the Life Cycle Conference (DFMLC), DETC2014-34483, Buffalo, New York, Aug 17-20, (2014), 9 pages.
36. Yuji Mizuno, Yusuke Kishita, Gaku Miyake, Tomonori Taniguchi, Shinichi Fukushige and Yasushi Umeda, "A Proposal to Design Sustainable Manufacturing Scenario," Proc. of the 15th International Conference on Precision Engineering 2014, Kanazawa, Japan, Jul 23-25, (2014), pp. 847-851.
37. Shinsuke Kondoh, Hitoshi Komoto, Yusuke Kishita and Shinichi Fukushige, "Toward a Sustainable Business Design: A Survey," Procedia CIRP, Vol. 15, (2014), pp. 367-372.
38. Naoki Iwai, Naoto Kurahashi, Yusuke Kishita, Yohei Yamaguchi, Yoshiyuki Shimoda, Shinichi Fukushige and Yasushi Umeda, "Scenario Analysis of Regional Electricity Demand in the Residential and Commercial Sectors - Influence of Diffusion of Photovoltaic Systems and Electric Vehicles into Power Grids - ," Procedia CIRP, Vol. 15, (2014), pp. 319-324.
39. Yusuke Kishita, Yasuaki Nakamura, Akeshi Kegasa, Yoshinori Hisazumi, Tsukasa Hori, Shinichi Fukushige and Yasushi Umeda, "Scenario Analysis of the Diffusion of Fuel Cells in the Residential Sector," Procedia CIRP, Vol. 15, (2014), pp. 294-299.
40. Yusuke Kishita, Noriaki Nakatsuka, Yukari Fuchigami and Fumiteru Akamatsu, "Scenario Analysis of Renewable Energy Businesses: A Case Study of Woody Biomass in a Japanese Rural Community," Proc. of the 13th International Design Conference - DESIGN 2014, Dubrovnik, Croatia, May 19-22, (2014), pp. 679-688.

41. Benjamin C. McLellan, Yusuke Kishita, Go Yoshizawa, Yohei Yamaguchi, Kazumasu Aoki, Itsuki C. Handoh, "Assessing Sustainable Regional Energy Systems: A Case Study of Kansai, Japan," Procedia Environmental Sciences, Vol. 20, (2014), pp. 12-19.
42. Yusuke Kishita, Naoto Kurahashi, Yohei Yamaguchi, Yoshiyuki Shimoda, Shinichi Fukushige and Yasushi Umeda, "Scenario Design Approach to Envisioning Regional Electricity Networks with Photovoltaics and Electric Vehicles," Proc. of the International Conference on Engineering Design 2013, Paper #492, Seoul, Korea, Aug 19-22, (2013), 10 pages.
43. Yusuke Kishita, Maki Hirosaki, Yuji Mizuno, Haruna Wada, Shinichi Fukushige and Yasushi Umeda, "Formalizing Scenario Design Processes to Plan Long-term Business Strategies for Sustainability," Shimomura, Y. and Kimita, K. (Eds.), The Philosopher's Stone for Sustainability - Proc. of 4th CIRP Conference on Industrial Product Service Systems 2012 (Tokyo, Japan, Nov 8-9), Springer, Heidelberg, Germany, (2012), pp. 345-350.
44. Yuji Mizuno, Yusuke Kishita, Haruna Wada, Kazuhiro Kobayashi, Shinichi Fukushige, Yasushi Umeda, "Proposal of Design Support Method of Sustainability Scenarios in Backcasting Manner," Proc. of the ASME 2012 International Design Engineering Technical Conferences & Computers and Information in Engineering Conference (IDETC/CIE 2012): 17th Design for Manufacturing and the Life Cycle Conference (DFMLC), DETC2012-70850, Chicago, Illinois, Aug 12-15, (2012), 10 pages.
45. Yusuke Kishita, Yuta Inoue, Hideki Kobayashi, Shinichi Fukushige, Yasushi Umeda, "Estimation of Long-term Copper Demand Based on Sustainability Scenarios: A Challenge to Sustainable Manufacturing Industry," Proc. of the ASME 2012 International Design Engineering Technical Conferences & Computers and Information in Engineering Conference (IDETC/CIE 2012): 17th Design for Manufacturing and the Life Cycle Conference (DFMLC), DETC2012-70695, Chicago, Illinois, Aug 12-15, (2012), 9 pages.
46. Yusuke Kishita, Maki Hirosaki, Yuji Mizuno, Haruna Wada, Shinichi Fukushige and Yasushi Umeda, "Supporting Scenario Design in Planning Long-term Business Strategies Based on Sustainability Scenarios," Dornfeld, D.A. and Linke, B.S. (Eds.), Leveraging Technology for a Sustainable World - Proc. of the 19th CIRP International Conference on Life Cycle Engineering 2012 (Berkeley, California, May 23-25), Springer, Heidelberg, Germany, (2012), pp. 25-30.
47. Yuji Mizuno, Yusuke Kishita, Haruna Wada, Maki Hirosaki, Kazuhiro Kobayashi, Shinichi Fukushige and Yasushi Umeda, "Designing Sustainable Society Scenarios Using Forecasting," Proc. of the 18th International Conference on Engineering Design (ICED), Copenhagen, Denmark, Aug 15-18, Vol. 5, (2011), pp. 49-59, USB Storage.
48. Haruna Wada, Yusuke Kishita, Yuji Mizuno, Maki Hirosaki, Shinichi Fukushige and Yasushi Umeda, "Proposal of a Design Support Method for Sustainability Scenarios - 1st Report: Designing Forecasting Scenarios," Proc. of the 18th CIRP International Conference on Life Cycle Engineering 2011, Braunschweig, Germany, May 2-4, (2011), pp. 189-194.
49. Yusuke Kishita, Yuji Mizuno, Shinichi Fukushige and Yasushi Umeda, "Development of Sustainable Society Scenario Simulator - Connecting Scenarios with Associated Simulators," Proc. of the 17th

CIRP International Conference on Life Cycle Engineering 2010, Hefei, China, May 19-21, (2010), pp. 402-407.

50. Yusuke Kishita, Bi Hong Low, Shinichi Fukushige, Yasushi Umeda, Atsushi Suzuki and Takao Kawabe, "Checklist-based Assessment Method for Environmentally Conscious Design," Proc. of the 5th International Conference on Leading Edge Manufacturing in 21st Century (LEM21), D26, Osaka, Japan, Dec 2-4, (2009), CD-ROM, 6 pages.
51. Yusuke Kishita, Bi Hong Low, Shinichi Fukushige, Yasushi Umeda, Atsushi Suzuki and Takao Kawabe, "Proposal of an Ecodesign Assessment Methodology by Using a Weighted Checklist," Proc. of the ASME 2009 International Design Engineering Technical Conferences & Computers and Information in Engineering Conference (IDETC/CIE 2009): 14th Design for Manufacturing and the Life Cycle Conference (DFMLC), DETC2009-86202, San Diego, California, Aug 30-Sep 2, (2009), CD-ROM, 9 pages.
52. Yuji Mizuno, Yusuke Kishita, Yasuhiro Yamasaki, Shinichi Fukushige and Yasushi Umeda, "Structural Description Method of the Sustainable Society Scenarios for Scenario Design," Proc. of the 17th International Conference on Engineering Design (ICED), Stanford, California, Aug 24-27, (2009), pp. 2-475-2-486, CD-ROM.
53. Yusuke Kishita, Yasuhiro Yamasaki, Yuji Mizuno, Shinichi Fukushige and Yasushi Umeda, "Development of Sustainable Society Scenario Simulator - Structural Scenario Description and Logical Structure Analysis," Proc. of the 16th CIRP International Conference on Life Cycle Engineering 2009, Cairo, Egypt, May 3-6, (2009), pp. 361-366.
54. Yusuke Kishita, Shinichi Fukushige, Yasushi Umeda and Jun Fujimoto, "Scenario Analysis of Sustainability in Global Resource Circulation," Proc. of the 4th International Conference on Ubiquitous Robots and Ambient Intelligence (URAI), Pohang, Korea, Nov 22-24, (2007), pp. 311-316, CD-ROM.

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1. Yusuke Kishita, “Research on Assessing Environmental Impact Potential of Service-oriented Circular Economy Business,” the Environment Research and Technology Development Fund, JPMEERF20223R04, the Environmental Restoration and Conservation Agency of Japan, April 2022-March 2025, 17,840,000 JPY.
2. Yusuke Kishita, “Developing a Scenario Simulation Method for Woody Biomass Utilization Contributing to SDGs,” Grant-in-Aid for Scientific Research (B), 19KT0008, Japan Society for the Promotion of Science (JSPS), July 2019-March 2022, 18,460,000 JPY.
3. Yusuke Kishita, “Development of Roadmap Design Support System to Plan Policies and Strategies for SDGs,” Grant-in-Aid for Early-Career Scientists, 18K18233, Japan Society for the Promotion of Science (JSPS), April 2018-March 2021, 4,290,000 JPY.
4. Yusuke Kishita, “Scenario Simulation for Sustainable Energy Systems Considering Low-carbon Society and Circular Society,” Grant-in-Aid for Young Scientists (A), 26701015, Japan Society for the

Promotion of Science (JSPS), April 2014-March 2018, 5,850,000 JPY.