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Professor

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I. Overview

Akito Murayama, born in March 1977 in Yokohama, Japan, is currently a Professor and the Head of Urban Land Use Planning Unit at Department of Urban Engineering, School of Engineering, The University of Tokyo. He is also a member of UTokyo Center for Climate Solutions. As an expert on urban land use planning and urban development, he is currently conducting several research projects on planning methodology for climate change mitigation and adaptation.

Co-authored books in English include "Living Cities in Japan: Citizens' Movements, Machizukuri and Local Environments" (Routledge, 2007), "Innovations in Collaborative Urban Regeneration" (Springer, 2009), "Megacities: Urban Form, Governance, and Sustainability" (Springer, 2011), "Urban Resilience - A Transformative Approach" (Springer, 2016), "Towards the Implementation of the New Urban Agenda: Contributions from Japan and Germany to Make Cities More Environmentally Sustainable" (Springer, 2018), and "Urban Systems Design: Creating Sustainable Smart Cities in the Internet of Things Era" (Elsevier, 2020).

He teaches land use planning and district planning/design for undergraduate students, advanced urban planning and global planning for graduate students, and urban planning/design studios for both undergraduate and graduate students.

He has participated in many urban planning and environmental planning practices at local and prefectural government levels including Nagoya City Master Plan (2011 and 2020), Low Carbon City Nagoya Strategy Action Plan (2011 and 2024), Shizuoka City Master Plan (2016 and 2024), Yokosuka City Master Plan (2016 and 2025), Machida City Master Plan (2022), Nishitokyo City Master Plan (2024) and Mie Prefecture Urban and Regional Master Plans (2017-2018). He also supports stakeholders in Nishiki 2 Low-Carbon Community Development Project in Nagoya City. He serves as an urban planning committee director in

Nishitokyo City, Yokosuka City, Kamakura City, Misato City and Shibayama Town.

II. Fields of Specialization and Academic Experiences

Fields of Specialization

Urban Planning (Land Use Planning and Urban Development), Urban Design (as Public Policy), Planning Methodology (Procedure and Technique)

Ongoing/Leading Research Projects

- 2023-2027 Application to Urban Planning and Area Management, Development and Application of Area Energy Management System Platform, Cross-ministerial Strategic Innovation Promotion Program (SIP), Cabinet Office, Government of Japan
- 2023-2027 Development and Implementation of Participatory Urban Design Methodology for Introducing Climate Change Mitigation and Adaptation Measures, Grant-in-Aid for Scientific Research (B), Japan Society for the Promotion of Science/Ministry of Education, Culture, Sport, Science and Technology, Government of Japan
- 2020-2024 Projection of Climate Change Impacts on Local Land Use/Urban Environment and Consideration of Policies for Sustainable Regeneration, Comprehensive Research on Projection of Climate Change Impacts and Evaluation of Adaptation (S18), Environmental Restoration and Conservation Agency, Ministry of Environment, Government of Japan

Academic Background

- March 2004 Completed Doctoral Course, Department of Urban Engineering, School of Engineering, The University of Tokyo, Japan
- March 2001 Completed Master Course, Department of Urban Engineering, School of Engineering, The University of Tokyo, Japan
- March 1999 Graduated from Department of Urban Engineering, School of Engineering, The University of Tokyo, Japan
- March 1995 Graduated from Seibu Gakuen Bunri High School, Saitama Prefecture, Japan

Work Experiences

- July 2024 Professor, Department of Urban Engineering, School of Engineering, The University of Tokyo (- Present)
- August 2022 UTokyo Center for Climate Solutions (Concurrent Post) (- Present)

April 2021	Part-time Lecturer, Graduate School of System Design and Management, Keio University (- Present)
April 2014	Associate Professor, Department of Urban Engineering, School of Engineering, The University of Tokyo
April 2014	Part-time Lecturer, Nagoya University (- September 2015)
March 2013	Part-time Lecturer, School of Creative Science and Engineering, Waseda University (- September 2013)
June 2011	Associate Professor, Disaster Mitigation Research Center, Nagoya University (-March 2014)
April 2007	Special Researcher, Nagoya Urban Institute (- March 2008)
October 2006	Associate Professor, Department of Environmental Engineering and Architecture, Graduate School of Environmental Studies, Nagoya University (-March 2014) Department of Civil Engineering and Architecture, School of Engineering, Nagoya University
April 2004	Project Researcher, Center for Sustainable Urban Regeneration, School of Engineering, The University of Tokyo (September 2006)

Membership of Academic and Professional Societies

The City Planning Institute of Japan
 Architectural Institute of Japan
 Society of Environmental Science, Japan
 Association of Urban Housing Sciences
 Japan Society of Lifology
 EcoUrbanism Research Network
 International Alliance for Sustainable Urbanization and Regeneration (as UTdUE)

EcoDistricts
 Japan Society of Urban and Regional Planners
 Japan Urban Design Institute
 National Area Management Network
 Association for Business Innovation in harmony with Nature and Community
 Green-Infra Platform
 Carbon Neutral Well-Being Laboratory

Selected Awards

2022 City Administration Award (Suzuka City, Mie Prefecture)
 for the contribution in urban planning and landscape planning since 2007

2018	AESOP Excellence in Teaching Award 2018 (Association of European Schools of Planning) for Global Course on Institutional Design and Spatial Planning by University of Groningen, the University of Washington, the University of Tokyo, Renmin University of China and Newcastle University
2015	Literature Award (Japan Association for Human and Environmental Symbiosis) for the co-authored book in Japanese on urban and regional sustainability assessment
2013	Landscape Installation Award in 2013 (Nihon Mokuzai Seisounen Dantai Rengokai 16th Wood Utilization Contest) for Nishiki 2 Street Wood Deck Project
2004	City Planning Institute of Japan Paper Encouragement Award in (City Planning Institute of Japan) for the Ph.D. thesis "A Study on Planning Methodology for Matured Urban Areas: Downtown Planning Procedures and Techniques in U.S. Cities"

III. Publications and Presentations in English

Publications and presentations in Japanese are included in the Japanese version.

Book Chapters

1. Keisuke Sakamoto, Takahiro Yamazaki, Toru Terada, Noriko Akita, Akito Murayama, Akiko Iida, Marco Amati, Makoto Yokohari: Polarized Residential Preferences for the Centre and Outer Suburban Tokyo After the Experience of COVID-19, in Barbara Rief Vernay, Iris Mach (Eds.): How Pandemics Shape the Metropolitan Space: Impact of COVID-19 on Urban Development in Vienna and Tokyo, pp.41-73, LIT, 2023
2. Inoue T., Manabe R., Murayama A., Koizumi H. (2021) Aggregation of Geospatial Data on "Street Units": The Smallest Geographical Unit of Urban Places. In: Geertman S.C.M., Pettit C., Goodspeed R., Staffans A. (eds) Urban Informatics and Future Cities. The Urban Book Series. Springer, Cham. https://doi.org/10.1007/978-3-030-76059-5_25
3. Akito Murayama: Institutional Instruments for Urban Systems Design – from the Planner’s Perspective, Yoshiki Yamagata and Perry Yang eds.: Urban Systems Design: Creating Sustainable Smart Cities in the Internet of Things Era, Elsevier, 2020
4. Makoto Yokohari, Akito Murayama and Toru Terada: The Value of Grey, Takashi Mino and Shogo Kudo eds.: Framing in Sustainability Science: Theoretical and Practical Approaches, pp.57-96, Springer, 2020, https://doi.org/10.1007/978-981-13-9061-6_4
5. Akito Murayama: Le projet Nishiki 2 low-carbon District, Nagoya, Japon, Cedissia About, Claire Doussard and Meg Holden eds.: (re)Penser la ville du XXIe siècle - 20 ans d'écoquartiers dans le monde, Dunod, pp.111-121, 2019
6. Akito Murayama: Reconsidering Urban Planning Through Community-based Initiatives, Bernhard Müller and Hiroyuki Shimizu eds.: Towards the Implementation of the New Urban Agenda: Contributions from Japan and Germany to Make Cities More Environmentally Sustainable, Springer,

- pp. 223-233, 2018, https://doi.org/10.1007/978-3-319-61376-5_18
7. Akito Murayama: Urban Landscape: Urban Planning Policies and Institutional Framework / Nobuko Kawaguchi and Akito Murayama: Urban Planning: Is a Networked Compact City Vision Realistic?, Hiroyuki Shimizu, Chika Takatori and Nobuko Kawaguchi eds.: Labor Forces and Landscape Management: Japanese Case Studies, Springer, pp. 61-71/pp.373-380, 2017, <http://doi.org/10.1007/978-981-10-2278-4>
 8. Akito Murayama: Land Use Planning for Depopulating and Aging Society in Japan, Yoshiaki Yamagata and Hiroshi Maruyama eds.: Urban Resilience - A Transformative Approach, Springer, pp.79-92, 2016, <http://doi.org/10.1007/978-3-319-39812-9>
 9. Hiroyuki Shimizu, Akito Murayama (eds): Basic and Clinical Environmental Approaches in Landscape Planning, Springer, 2014.2, <http://doi.org/10.1007/978-4-431-54415-9>
 10. Junichiro Okata, Akito Murayama: Tokyo's Urban Growth, Urban Form and Sustainability, Andre Sorensen and Junichiro Okata eds.: Megacities: Urban Form, Governance, and Sustainability, Springer, pp.15-41, 2011, <http://doi.org/10.1007/978-4-431-99267-7>
 11. Akito Murayama: Toward the Development of Plan-Making Methodology for Urban Regeneration, Masahide Horita and Hideki Koizumi eds.: Innovations in Collaborative Urban Regeneration, Springer, pp.15-29, 2009, <http://doi.org/10.1007/978-4-431-99264-6>
 12. Tetsuo Kidokoro, Akito Murayama, Kensuke Katayama, Norihisa Shima: New Directions in Urban Regeneration and the Governance of City Regions, T. Kidokoro, N. Harata, L. P. Subanu, J. Jessen, A. Motte, E. P. Seltzer eds.: Sustainable City Regions: Space, Place and Governance, Springer, pp.3-22, 2008, <http://doi.org/10.1007/978-4-431-78147-9>
 13. Akito Murayama: Civic movement for sustainable urban regeneration: downtown Fukaya City, Saitama prefecture, Andre Sorensen, Carolin Funck eds.: Living Cities in Japan: Citizens' Movements, Machizukuri and Local Environments, Routledge, pp.206-223, 2007, <http://doi.org/10.4324/9780203961728>

Refereed Papers

1. Ramnarine, I. D., Sherif, T. A., Alorabi, A. H., Helmy, H., Yoshida, T., Murayama, A., Yang, P. P.-J.: Urban revitalization pathways toward zero carbon emissions through systems architecting of urban digital twins, *Environment and Planning B: Urban Analytics and City Science*, 2025, <https://doi.org/10.1177/23998083251318142>
2. Junya Yamasaki, Yasutaka Wakazuki, Satoru Iizuka, Takahiro Yoshida, Ryoichi Nitana, Rikutarō Manabe, Akito Murayama: Microclimate Simulation for Future Urban District under SSP/RCP: Reflecting changes in building stocks and temperature rises, *Urban Climate*, Vol.57, 102068, 2024.9, <https://doi.org/10.1016/j.uclim.2024.102068>
3. Hiroki Nakajima and Akito Murayama: Inclusive urban regeneration approaches through small projects: A comparative study of three Japanese machizukuri cases, *Cities*, 152, 2024, 105241, <https://doi.org/https://doi.org/10.1016/j.cities.2024.105241>
4. Ayyoob Sharifi, Prince Dacosta Aboagye, Mingyuan Zhang, Akito Murayama: A participatory foresight approach to envisioning post-pandemic urban development pathways in Tokyo, *Habitat International*, Volume 149, 2024, 103108, ISSN 0197-3975, <https://doi.org/10.1016/j.habitatint.2024.103108>
5. Yudi Liu, Rikutarō Manabe, Ryoichi Nitana, Akito Murayama*: Historical institutionalism in action: Incremental prevalence of Transit-Oriented Development in Tokyo 1945-1982, *Progress in Planning*, 2024, 100850, <https://doi.org/10.1016/j.progress.2024.100850>

6. Nabamita Nath, Ryoichi Nitana, Rikutarō Manabe, Akito Murayama*: A global-scale review of smart city practice and research focusing on residential neighbourhoods, *Habitat International*, Volume 142, December 2023, 102963, <https://doi.org/10.1016/j.habitatint.2023.102963>
7. Yudi Liu, Ryoichi Nitana, Rikutarō Manabe and Akito Murayama*: Institutionalization of Transit-Oriented Development in Tokyo 1868-1945, *Planning Perspectives*, Published online: 13 Mar 2023, <https://doi.org/10.1080/02665433.2023.2177184>
8. Yudi Liu, Akito Murayama, Rikutarō Manabe and Ryoichi Nitana: Transit-Oriented Development in Planning History: A West-East Dialogue in Regaining Social Goals, *Urban and Regional Planning Review*, Vol.10, pp.94-120, 2023, <https://doi.org/10.14398/urpr.10.94>
9. Younghun Choi, Takuro Kobashi, Yoshiaki Yamagata, Akito Murayama: Assessment of waterfront office redevelopment plan on optimal building energy demand and rooftop photovoltaics for urban decarbonization, *Energies* 2022, 15, 883, <https://doi.org/10.3390/en15030883>
10. Takuo Inoue, Rikutarō Manabe, Akito Murayama, and Hideki Koizumi: Landscape value in urban neighborhoods: A pilot analysis using street-level images, *Landscape and Urban Planning*, 221, 104357, 2022, <https://doi.org/10.1016/j.landurbplan.2022.104357>
11. Yudi Liu, Nabamita Nath, Akito Murayama, Rikutarō Manabe: Transit-oriented development with urban sprawl? Four phases of urban growth and policy intervention in Tokyo, *Land Use Policy*, Volume 112, January 2022, 105854, <https://doi.org/10.1016/j.landusepol.2021.105854>
12. Yamazaki, Takahiro, Akiko Iida, Kimihiro Hino, Akito Murayama, U Hiroi, Toru Terada, Hideki Koizumi, and Makoto Yokohari. 2021. "Use of Urban Green Spaces in the Context of Lifestyle Changes during the COVID-19 Pandemic in Tokyo" *Sustainability* 13, no. 17: 9817. <https://doi.org/10.3390/su13179817>
13. Junya Yamasaki, Norihiro Itsubo, Akito Murayama, Ryoichi Nitana: Eco-efficiency assessment of 42 countries' administrative divisions based on environmental impact and gross regional product, *City and Environment Interactions*, 2021 (In Press) <https://doi.org/10.1016/j.cacint.2021.100061>
14. U Hiroi, Akito Murayama, Yoshihiro Chiba, Hisashi Komatsu, Masafumi Mori, Keiichi Yamada, Masato Yamazaki and Nobuo Fukuwa: A Proposal of Multi-Scale Urban Disaster Mitigation Planning that Takes Regional Issues into Consideration, *Journal of Disaster Research*, Vol.10, No.5. pp.887-899, 2015, <http://doi.org/10.20965/jdr.2015.p0887>
15. Ayyoob Sharifi, Yoshihiro Chiba, Kohei Okamoto, Satoshi Yokoyama, Akito Murayama: Can master planning control and regulate urban growth in Vientiane, Laos?, *Landscape and Urban Planning*, Volume 131, November 2014, pp.1-13, <http://doi.org/10.1016/j.landurbplan.2014.07.014>
16. Ayyoob Sharifi, Akito Murayama: Neighborhood Sustainability Assessment in Action: Cross-Evaluation of Three Assessment Systems and Their Cases from the US, the UK, and Japan, *Building and Environment*, vol.72, pp. 243-258, February 2014, <http://doi.org/10.1016/j.buildenv.2013.11.006>
17. Ayyoob Sharifi, Akito Murayama: Viability of Using Global Standards for Neighbourhood Sustainability Assessment: Insights from a Comparative Case Study, *Journal of Environmental Planning and Management*, January 2014, <http://doi.org/10.1080/09640568.2013.866077>
18. Ayyoob Sharifi, Akito Murayama: A critical review of seven selected neighborhood sustainability assessment tools, *Environmental Impact Assessment Review*, no.38, pp.73-87, 2013, <https://doi.org/10.1016/j.eiar.2012.06.006>
19. Ayyoob Sharifi, Akito Murayama: Changes in the traditional urban form and the social sustainability of contemporary cities: A case study of Iranian cities, *Habitat International*, vol.38, April 2013, pp.126-134, 2013, <https://doi.org/10.1016/j.habitatint.2012.05.007>
20. Elnaz Sarkheyl, Ayyoob Sharifi, Mojtaba Rafeian, Mohammad reza Bemanian, Akito Murayama: An

investigation of the reasons for non-compliance with FAR regulations in Tehran, Cities, vol.29, no.4, pp.223-233, 2011

Non-Refereed Papers, Reports and Booklets

1. Adair Garrett, Katherine Ginensky, Xi Wang, Hina Ahmed, Jingyuan Shen, Takahiro Yoshida, Akito Murayama, Perry Pei-Ju Yang: Leveraging a Digital Twin Interface for Multimodal Transportation Resilience, Connectivity, and Equity – The Case of Heat in Toyosu, Tokyo, International Conference on Applied Energy 2024, September 1-5, 2024, Niigata City, Japan, ID: 495, <https://www.enerarxiv.org/page/thesis.html?id=5575>
2. Jingyuan Shen, Xi Wang, Abdulrahman H Alorabi, Takahiro Yoshida, Akito Murayama, Perry Pei-Ju Yang: Systems-level Methodology for Optimizing Urban Infrastructure Energy Resilience, International Conference on Applied Energy 2024, September 1-5, 2024, Niigata City, Japan, ID: 482, <https://www.enerarxiv.org/page/thesis.html?id=5488>
3. Hiroyoshi Morita, Akito Murayama, Yasutoshi Sasaki: Connecting Public Spaces and Basins with Wood, The City at Eyelevel Asia, pp.294-298, 2020 https://issuu.com/stipoteam/docs/cael_ebook_def_single-pages
4. Claudia Cassatella and Akito Murayama eds: Planning for the global urban agenda. Shaping ecodistricts in Tokyo suburbs, Politecnico di Torino, 2018, <http://hdl.handle.net/11583/2712031>
5. Ayyoob Sharifi, Itsuki Nagata, Akito Murayama: The potential of "CASBEE for urban development" for delivering sustainable communities: A case study from the "Koshigaya Lake Town" planning experience, Journal of International City Planning (2012), pp.703-713, 2012

Courses Online

1. edX course on "Sustainability Science - A Key Concept for Future Design" (Joint Work), 2017, <https://www.edx.org/learn/social-science/the-university-of-tokyo-sustainability-science-a-key-concept-for-future-de>
2. Global Course on Institutional Design and Spatial Planning, 2018, Lecture 10 "Introduction to Urban Land Use Planning in Japan", <http://globalcourse.inplanning.eu>
3. UTokyo MOOC: Contemporary Garden City Concept from Asia (Joint Work), 2024, <https://www.coursera.org/learn/contemporary-garden-city-concept-from-asia>
4. UTokyo MOOC: Adapting to the Effects of Climate Change on Quality of Life (Joint Work), 2024, <https://www.coursera.org/learn/climate-change-adaptation>

Presentations

1. Akito Murayama: Yokkaichi Main Street Renovation Project, Workshop on Citizen-centered, Data-driven Urban Management, December 4, 2024, JICA Philippines Office, Makati City, Philippines (Online Presentation)
2. Junya Yamasaki, Yubei Liu, Satoru Iizuka, Takahiro Yoshida, Ryoichi Nitani, Rikutarō Manabe, Akito Murayama : Effects of District-scale Adaptation Measures on Future Microclimates under Different Climate Change Scenarios, The 5th Asia Conference of International Building Performance Simulation Association 2024, Osaka, 2024.12

3. Sayaka Yoshikawa, Kohei Imamura, Junya Yamasaki, Ryoichi Nitani, Rikutarō Manabe, Akito Murayama, Kiyoshi Takahashi, Keisuke Matsushashi, Nobuo Mimura: Estimation of future building areas for data development associated with socio-economic scenarios in Japan, ASim2024
4. Akito Murayama with Junya Yamasaki, Takahiro Yoshida, Ryoichi Nitani, Rikutarō Manabe: Participatory Urban Design Methodology for Climate Actions at the District Scale: Thermal Simulation and Carbon Mapping, EURO2024 COPENHAGEN 33rd European Conference on Operational Research: MA-18 Assessment Methods for Shaping the Green Inclusive, and Digital Cities I, Technical University of Denmark, July 1, 2024
5. Takahiro Yoshida, Hideo Suda, Koichi Oota, Makiyo Maekawa, Takuo Inoue, Junya Yamasaki, Ryoichi Nitani, Rikutarō Manabe, Akito Murayama: A roadmap toward carbon neutrality of the building sector in a central urban area of Tokyo, 15th International Conference on Applied Energy (ICAE2023), Qatar University | December 3-7, 2023, Paper ID: 412
6. Haya Helmy, Takahiro Yoshida, Akito Murayama, Amal Bogoreh, Ishwar Ramnarine, Perry Pei-Ju Yang: Carbon-neutrality Architecting and New-age Visions for Urban Areas using Systems design (CANVAS) – A case study of Tokyo Nihonbashi, 15th International Conference on Applied Energy (ICAE2023), Qatar University | December 3-7, 2023, Paper ID: 591
7. Yudi Liu (presenting author), Yushi Yoshida, Nabmita Nath and Akito Murayama (primary author): Smart Transit-Oriented Neighborhoods in Japan: How Private Corporations Develop National Flagships, ACSP 2023 Book of Abstracts, pp.682-683
8. Akito Murayama: #2 Community-based Approach to Eco-Smart Districts, Urban Transition. Practices and Lessons from Japan, PhD Program in Urban and Regional Planning, Politecnico di Torino and PoliTO JapanHub, September 26, 2023, Astengo Room, Castello del Valentino, Torino
9. Akito Murayama: #1 Tokyo Megaregion and its Diverse Urban Areas, Urban Transition. Practices and Lessons from Japan, PhD Program in Urban and Regional Planning, Politecnico di Torino and PoliTO JapanHub, September 25, 2023, Vigliano Room, Castello del Valentino, Torino
10. Akito Murayama: Transitions in Urban Planning Concepts and Methodologies, INFRATIME Roundtable: Taking Time, Shaping Time. Pacing Urban Climate Transitions, STS Italia Conference 2023, Bologna, June 29, 2023
11. Akito Murayama: Planning Methodology for Climate Solutions in Smart Cities, Asian Smart Cities Network and Digital Twin 2023 Symposium: Hong Kong Future Living, June 10, 2023, Room LT-1, Yeung Kin Man Academic Building, City University of Hong Kong
12. Akito Murayama: Planning Methodology for Climate Solutions in Smart Cities, GeorgiaTech Smart Cities Systems Design Panel, February 16, 2023, Caddell Flex Space, College of Design, Georgia Institute of Technology
13. Akito Murayama: Urban Carbon Mapping Method toward Zero-Carbon Area Management: Introduction to MitsuiFudosan UTokyo Laboratory Research, Joint seminar CREM-IFRJ, November 9, 2022
14. Akito Murayama, Takahiro Yoshida, Koichi Oota, Hideo Suda: Zero-Carbon Area Management Using Urban Carbon Mapping Method, Session 2 - Room 1: Urban Systems Design A - Smart Cities Planning Support, International Urban Planning and Environment Congress, July 29 - August 1, 2022
15. Takahiro Yoshida, Akito Murayama, Yoshiki Yamagata: Spatial and Temporal CO2 mapping for Urban Carbon Management, Session 2 - Room 1: Urban Systems Design A - Smart Cities Planning Support, International Urban Planning and Environment Congress, July 29 - August 1, 2022
16. Takahiro Yoshida and Akito Murayama: Urban Systems Design Approach to Sustainable Urban Transformation, International Online Seminar on Sustainable Urban Transformation: Towards a Common Value in Urban Space, HEC Paris and the University of Tokyo, April 19, 2022

17. Akito Murayama: Recent Urban Transformation in Tokyo: Lifestyle Changes and Experimental Approaches, Emscher Congress 2022 Good Practice - internationale Beispiele gelungener Transformationsprozesse in Metropolregionen, March 3, 2022
18. Perry Yang, Takahiro Yoshida, Akito Murayama, Soowon Chang, Yoshiki Yamagata: Green recovery planning for a low energy urban district using urban digital platform – A case study of Tokyo Shinagawa, ICAE2021-International Conference on Applied Energy, Nov.29-Dec.2, 2021, in Bangkok, Thailand, Paper ID: 870
19. Takahiro Yoshida, Junya Yamasaki and Akito Murayama: Time-Framing in Urban Systems Design for Carbon Neutral, Climate Resilient and COVID-19 Conscious Urban Areas, INFRATIME Seminar Series First Edition: Timescapes of urban infrastructures and planning, Online, October 14, 2021
20. Akito Murayama: Community-based Urban Regeneration: A Case of Nishiki 2 District, Nagoya City, Japan, MUS International Lecture Series 2021 "Urban Regeneration Strategies powered by MUS x UDDC-CEUS, March 18, 2021
21. Akito Murayama: Smart City and Urban Planning Challenges, GCP Workshop: ZeroCarbon x Digital: Urban Decarbonization in the Post-Covid-19 Era, Session 2: New urban planning approaches for designing future zero carbon, December 15, 2020
22. Akito Murayama: The Potential Impacts of COVID-19 on "Social Distancing Sensitive" Urban and Regional Structures, International e-Conference on Pandemics and Transport Policy, Session 10 - Nationwide Policy Responses, December 11, 2020
23. Akito Murayama, Tatsuyuki Kimura, Yu Matsumura, Saki Hisatsune, Takahiro Yamazaki, Noriko Akita, Rikutarō Manabe and Hideki Koizumi: Spatial Planning and Design for Tokyo's Agri-Residential Mixed Neighborhoods, 2020 IALE-North America Annual Meeting Virtual Remote Conference, May 11-14, 2020
24. Yushi Yoshida, Shigehisa Matsumura, Akito Murayama and Tetsuo Kidokoro: New Planning Framework for Promoting TOD in Emerging Countries: Empirical Studies in Southeast Asian Cities by Utilizing "TOD Solution Matrix", 2019 International Conference of Asia-Pacific Planning Societies, August 22-24, 2019, University of Seoul, Seoul, Korea
25. Shaila Islam, Istiaque Ahmed, Rikutarō Manabe and Akito Murayama: Pedestrianization Challenges Around Future Transit Oriented Development Area in Dhaka, Bangladesh, Livable Cities Conference, August 12-13, 2019, Adelaide Convention Centre, Adelaide, South Australia
26. Akito Murayama and Akiko Iida: Agenda for Urban Farmland Conservation and Green Infrastructure Development in a Sprawled Suburban City in Tokyo, Japan, The 10th International Association for Landscape Ecology Congress (IALE 2019), July 5, 2019, Università degli Studi di Milano-Bicocca, Milan, Italy
27. Yuri Akizuki with Akito Murayama and Rikutarō Manabe: "Temporary Places" in Communities Formed by Mobile Retailers: A Case of COOP Associations in Japan, The Second International Conference of International Association of Sustainable Urbanization and Regeneration, March 29-31, 2019, Xi'an University of Architecture and Technology, Xi'an, China
28. Akito Murayama: Building Ecodistricts in Existing Urban Area: Nishiki 2 Low-Carbon Community Development Project in Japan, The Second International Conference of International Association of Sustainable Urbanization and Regeneration, March 29-31, 2019, Xi'an University of Architecture and Technology, Xi'an, China
29. Perry Yang with Yoshiki Yamagata, Akito Murayama and Kanae Matsui: Transforming the Social and Ecological Landscape of an Innercity Neighborhood: A Test Case of Tokyo's Kyojima Smart City Project, Great Asian Streets Symposium (GASS) 2018 and Pacific Rim Community Design Network "Emerging Civic Urbanisms / Designing for Social Impact", December 14-16, 2018, National University of Singapore
30. Akito Murayama: Various Types of Research-Practice Interface in Urban Planning and Community Development, International Conference "Implementing the United Nations' Urban Agenda. Universities in Action", May 25, 2018, Room 10V, Castello del Valentino, Torino
31. Akito Murayama: Prospects and Challenges for Planning Green Smart Cities and Communities, Future Earth/Global Carbon Project International Workshop on "Towards Green Smart Cities in the IoT Era", March 19, 2018, Ito International Research Center, The University of Tokyo
32. Akito Murayama: "Compact City + Network" Urban Structure and the De-intensification of Suburban Residential Areas, 2nd Conference on Homes-uP - Single Family Homes under Pressure? November 16-17, Leibniz Institute of Ecological Urban and Regional Development (IOER), Dresden, Germany
33. Akito Murayama: Livable City Center in the Age of Linear Chuo Shinkansen: Prospects for Planning in Nagoya's City Center, Special Session 1: Livable City Development and High Speed Rail, 2017 International Conference of Asian-Pacific Planning Societies, August 25, 2017, Nagoya Congress Center
34. Akito Murayama: Urban Diversity and Transformation of Tokyo, Presented in The University of Tokyo Global Japan Studies Summer Program 2017 AN INQUIRY INTO JAPAN'S POSTWAR, August 1, 2017, Institute for Advanced Studies on Asia, The University of Tokyo
35. Akito Murayama: The Implementation of Municipal Low-Carbon City Strategy through Community Development in Existing Urban Area: The Case of Nagoya City and Nishiki 2 Low-Carbon Model District, International Conference "Urban Governance in the Network Society: France, Thailand and Japan", January 19-20, 2017, Rhone Department & Metropolitan Archives, Lyon, France
36. Akito Murayama: Experiences in Nishiki 2 District, Presented at Workshop Session: Opening Up the Black Box of Research-Practice, September 15, 2016, EcoDistricts Summit 2016 Research Forum, University of Denver
37. Akito Murayama: Urban Diversity and Transformation of Tokyo, Presented in The University of Tokyo Global Japan Studies Summer Program 2016 AN INQUIRY INTO JAPAN'S POSTWAR, August 27, 2016, Institute for Advanced Studies on Asia, The University of Tokyo
38. Akito Murayama and Hiroyoshi Morita: Assessing the community-based low-carbon initiatives in Nishiki 2 District, Nagoya City, Presented in Workshop on Practice and Research in Urban Sustainability Assessment, August 18, 2016, The University of Tokyo, organized by International Association for Impact Assessment Japan Branch, Global Carbon Project Tsukuba International Office and Japan Society of Urban and Regional Planners, supported by Urban Land Use Planning Unit, Department of Urban Engineering, School of Engineering, The University of Tokyo
39. Akito Murayama, U Hiroi and Yoshihiro Chiba: Development and Application of Web-based Geographical Information System to Assess Urban Resilience: Land Use and Infrastructure Planning for the Greater Nagoya Region, Japan, Presented in Workshop on Tools and Indicators for Assessing Urban Resilience, December 7-10, 2015, The University of Tokyo, organized by Global Carbon Project-Tsukuba International Office in Collaboration with NIES, APN, UGEC, WUDAPT and IR3S
40. Akito Murayama and Atsushi Shibata: The Recent Trend of Single-Family Residential Areas in the Shrinking Cities in Japan: Case of Yokosuka City, Kanagawa Prefecture, Presented in Project Homes-uP - Single Family Homes under Pressure? International Meeting Dresden 2015, November 23 and 24, IOER Dresden, Germany
41. Akito Murayama: Reconsidering Community-Based Urban Planning for a Sustainable and Resilient Future, Presentation at Japan-German Joint Seminar: Toward Sustainable and Resilient Urban Planning, September 8-9, 2015, Nagoya University Graduate School of Environmental Studies Lecture Hall
42. Akito Murayama: Community-based approach to climate change response and Disaster mitigation:

- Cases in Nagoya City, Presented in "GCP Workshop at Toyota High-level Symposium on Sustainable Cities", 15-16 January 2015, Hotel Toyota Castle, Toyota City, Japan
43. Akito Murayama: Land Use Planning for Climate Change Response and Disaster Mitigation, Presented in Workshop on Surprise Resilient Scenarios: Emergent Dialogue Approach, 1-4 November 2014, Hotel Moon Beach, Okinawa, Japan, organized by Global Carbon Project-Tsukuba International office in collaborations with X-Center Network and Japan Industrial Management Association
 44. Mari Watanabe, Akito Murayama: Reclaiming Urban Streets: Comparative Analysis of Planning Process, Cost and Technical Standards of "Parklets" in San Francisco and Los Angeles, Proceedings of the First Conference of International Alliance for Sustainable Urbanization and Regeneration "Sustainable Society as Our Challenge", pp.511-520
 45. Akito Murayama: Participatory Planning Approach to Link District, City and Region: Experiences in Nagoya, Japan, Workshop "Linking cities to regions: Exploring trans-scalar sustainable development processes", Chile-Japan Academic Forum at UTokyo, October 8, 2014, The University of Tokyo
 46. Akito Murayama: Emerging Urban Form in the Age of Depopulation: Toward a New Planning and Management Approach, Public Symposium of Spatial Planning in Japan, 2014.9.15, Room 410, GB1, Faculty of Spatial Planning, TU Dortmund, Germany
 47. Akito Murayama: Land Use Planning for Climate Change Response and Disaster Mitigation - Initiatives in Nagoya at Urban and District Scales -, National Institute for Environmental Studies Global Carbon Project Seminar, 2014.6.30, National Institute for Environmental Studies, Tsukuba
 48. Akito Murayama: Reconsidering Automobile-Oriented Urban Form: The Recent Planning Policies in Nagoya City, Workshop on the Urban History of Britain and Japan: Envisioning the Motor City: A Comparison of Post-War Reconstruction in Birmingham and Nagoya, 2014.4.28, Lecture Hall, Graduate School of Environmental Studies, Nagoya University, Nagoya, Japan
 49. Akito Murayama: Resilient Land Use and Urban Form for Climate Change and Disaster Mitigation, German Science Days in Kyoto "Research for Sustainable Development" Workshop 2 "Sustainable Urban Development in Times of Demographic and Climate Change", 2013.10.25, Kyoto University, Kyoto, Japan
 50. Akito Murayama: Shaping the Contemporary Urban Environment of Nagoya City, The Japan Foundation Japan-U.S.-Canada Curator Exchange Symposium "Identity in Architecture and Urban Design", 2013.10.18, Rakuunji Temple, Nagoya, Japan
 51. Akito Murayama: Resilient Land Use and Urban Form for Demographic Change, Climate Change and Disaster Mitigation, Nagoya University Global COE Program "From Earth System Science to Basic and Clinical Environmental Studies" DFG (German Research Foundation) German Japan Joint Symposium: Sustainable Regional Planning for Shrinking Regions and Cities - Exchange of German and Japanese Studies -, 2013.10.3, Nagoya University, Nagoya, Japan
 52. Akito Murayama: Achieving Citywide Planning Goals through Machizukuri: The Recent Low-Carbon Movements in Nagoya City, Japan, CRR-2013: Climate Change and Regional Response - Impacts and adaptation strategies for public, commercial and private actors, 2013.5.28, The Westin Bellevue Dresden, Dresden, Germany
 53. Akito Murayama and Ayyoob Sharifi: Integrating Planning and Assessment Methodologies: An Initial Step to Enhance Ecological Services and Biodiversity in Our Living Space, New Trend of Landscape Design 2: Enhancing Ecological Services and Biodiversity in Urban, Suburban and Rural Area, 2013.1.7, Nagoya University, Nagoya, Japan
 54. Akito Murayama and Ayyoob Sharifi: Low-Carbon Strategy and Community Development in Nagoya, Japan: Case of Nishiki 2 District, a Fabric Warehouse District in Transition, EcoDistricts Summit 2011, Portland State University, Portland, Oregon, U.S.A.

55. Akito Murayama: Restoration of Urban Waterfront through Viaduct Removal, Center for Sustainable Urban Regeneration International Workshop: Next Step to Sustainable Urban Regeneration, 2007.9.3-5, The University of Tokyo, Tokyo, Japan
56. Akito Murayama, Katsunori Banno, Satoshi Ishii, Takefumi Kurose, Toshiko Sato: Toward the Integration of Brownfield Rehabilitation and Planning Methodologies: Case Study of Keihin Industrial Area, Tokyo, Japan, Proceedings of Brownfields 2006: Third International Conference on Prevention, Assessment, Rehabilitation and Development of Brownfield Sites, 2006.7.19-21, Tallinn, Estonia
57. Akito Murayama, Noriaki Hayakawa, Junichiro Okata: Toward Comparative Study on Spatial Planning Issues and Approaches in Diverse Megacities, 2006 World Planning School Congress, 2006.7.11-16, Mexico City, Mexico
58. Akito Murayama: Downtown Regeneration Efforts in Fukaya City and Challenges for Sustainable Governance: 1st Symposium on Sustainable Urban Regeneration: Japan & Phoenix, 2005.5.26, School of Planning, Arizona State University, Tempe, Arizona, U.S.A.
59. Akito Murayama: Issues of Sustainable Urban Regeneration in Tokyo: Transport, Housing and Urban Planning/Development: 1st Symposium on Sustainable Urban Regeneration: Japan & Phoenix, 2005.5.26, School of Planning, Arizona State University, Tempe, Arizona, U.S.A.
60. Akito Murayama: Governance for Sustainable Urban Regeneration: Cases of Participatory Urban Planning and Machizukuri in Fukaya City, Saitama Prefecture, Japan, Conference Proceedings of the International Federation for Housing and Planning (IFHP) Spring Conference 2005: The Intentional City, 2005.5.22-25, Portland, Oregon, U.S.A., pp.7-17
61. Rikutarō Manabe, Akito Murayama, Hideki Koizumi, Junichiro Okata: Application of ICT Tools to Plan-Making Process in Local Government: Using e-Community Karte in Mitaka City, Computers in Urban Planning and Urban Management (CUPUM) 05, 2005.6.29-7.1, London, U.K.
62. Akito Murayama: Governance for Sustainable Urban Regeneration: Cases of Participatory Urban Planning and Machizukuri in Japan, Proceedings of the Workshop: Problems & Prospects for Urban Regeneration: Comparison of Regional Cities in Indonesia and in Japan, 2005.3.4, Magister Perencanaan Kota dan Daerah / Pusat Studi Perencanaan Pembangunan Regional, Gadjah Mada University and Center for Sustainable Urban Regeneration, The University of Tokyo, pp. II-30-55
63. Akito Murayama: Viaduct Removal, Waterfront Restoration and Urban Center Regeneration: Framework for International Comparative Case Study, International Workshop on Sustainable Urban Regeneration: Korea, Japan and China, 2004.12.1, Environmental Planning Institute, Seoul National University and Seoul Development Institute

IV International Project Experiences

International Research

1. Implementing the United Nations' New Urban Agenda - Universities in Action (Compagnia di San Paolo within the Politecnico di Torino Joint Projects for the Internationalization of Research 2017: September 20, 2017 - September 19, 2018) [Claudia Cassatella, Akito Murayama, Marco Santangelo, Giancarlo Cotella, Akiko Iida, Takahiro Yamazaki, Kaoru Matsuo, Fumihiko Seta]
2. Homes-uP - Single-Family Homes under Pressure? [Clemens Deilmann et al.] - Akito Murayama as International Cooperation Partner and Scientific Committee Member, 2015-2017

International Studios

1. Instructor, "Re-Designing Tokyo's Urban Fabric", Department of Urban Engineering, School of Engineering, The University of Tokyo, 2017-Present, <http://www.due.t.u-tokyo.ac.jp/english/edu/lectures/urban-design-studio/>
2. Collaborator, 2018 Tokyo (Kyojima) Smart City Studio On-Site Workshop (directed by Associate Professor Perry Yang, School of City and Regional Planning and School of Architecture, College of Design, Georgia Institute of Technology), March 18-24, 2018, Sumida Ward, Tokyo, Japan
3. Collaborator, 2017 Misono Smart City Studio On-Site Workshop (directed by Associate Professor Perry Yang, School of City and Regional Planning and School of Architecture, College of Design, Georgia Institute of Technology), March 19-25, 2017, Saitama City, Japan
4. Organizer, Guest Lecturer, Supervisor and Review, International Alliance for Sustainable Urbanization and Regeneration Student Workshop 2016 "Redefining the Historical City Axis of Panggung Kpapyak and Gading Gate" organized by the University of Tokyo, Toyo University and Universitas Gadjah Mada, August 8-12, 2016, Yogyakarta, Indonesia
5. Organizer, GSES-NU/ENSA-PVS/Tianjin-U Joint Architectural and Urban Design Workshop 2014 Spring "Station Area Redevelopment for Urban Revitalization and Disaster Mitigation", Japan, April 14-18, 2014, Nagoya City
6. Collaborator, ENSA-PVS/GSES-NU Joint Architectural and Urban Design Workshop 2013 Autumn "Imagining a City without Highway", September 13, Paris, France
7. Organizer, GSES-NU/ENSA-PVS/Tianjin-U Joint Architectural and Urban Design Workshop 2014 Spring "Station Area Redevelopment for Urban Revitalization and Disaster Mitigation", April 29-May 3, 2013, Nagoya City, Japan
8. Organizer, GSES-NU/ENSA-PVS/Tel Aviv U Joint Architectural and Urban Design Workshop 2012 Spring "District-Scale Planning and Design for Urban Connectivity and Disaster Mitigation", April 16-20, 2012, Nagoya City, Japan
9. Collaborator, ENSA-PVS/GSES-NU/Kansas U Joint Architectural and Urban Design Workshop 2011 Autumn "Proposal for Bercy-Poniatowski District", September 2011, Paris, France
10. Organizer, GSES-NU/ENSA-PVS Joint Architectural and Urban Design Workshop 2010 Spring "Urban Design Plan for Nagoya Station Area", Japan, April 12-16, 2010, Nagoya City
11. Collaborator, Japon Workshop ENSA-PVS/GSES-NU 2009-2012 "Prospective Metropolitaine", September 2009, Paris, France
12. Organizer, GSES-NU/ENSA-PVS Joint Architectural and Urban Design Workshop 2009 Spring "Regeneration of Mixed-Use Urban Area around Chayagasaka Subway Station", Japan, April 13-17, 2009, Nagoya City

International Symposiums and Seminars

1. Organizing Committee Member, The Second International Conference of International Alliance for Sustainable Urbanization and Regeneration (IASUR) "Green Building and Smart City", March 29-31, Xi'an University of Architecture and Technology, Xi'an, China
2. Science Committee Member, Sustainable Built Environment Conference 2019 "Built Environment in an Era of Climate Change. How can cities and buildings adapt?", August 6-7, The University of Tokyo Komaba Campus I - KOMCEE
3. Organizer, Workshop on Practice and Research in Urban Sustainability Assessment, August 17-18, 2016, Lecture Room 141, Faculty of Engineering Building 14, Hongo Campus, The University of

Tokyo, Co-hosted by International Association for Impact Assessment Japan Branch, Global Carbon Project Tsukuba International Office, and Japan Society of Urban and Regional Planners

4. Organizing Committee Member, The First International Conference of International Alliance for Sustainable Urbanization and Regeneration (IASUR) "Sustainable Society as Our Challenge", October 24-27, 2014, Kashiwa-no-ha Gate Square, Kashiwa City, Chiba, Japan
5. Organizer, Nagoya University Global Center of Excellence Program "From Earth System Science to Basic and Clinical Environmental Studies" / DFG (German Research Foundation) Japan-Germany Symposium "Sustainable Regional Planning for Shrinking Regions and Cities: Exchange of German and Japanese Studies", October 3, 2013, ES Hall, Nagoya University, Nagoya City, Japan, October 3, 2013
6. Organizer, Nagoya University Global Center of Excellence Program "From Earth System Science to Basic and Clinical Environmental Studies" German-Japan Bio Web City/Region Symposium "New Trend of Landscape Design 2: Enhancing Ecological Services and Biodiversity in Urban, Suburban and Rural Areas", January 7, 2013, Lecture Hall, Building of Environmental Studies, Nagoya University
7. Organizer, Nagoya University Global Center of Excellence Program "From Earth System Science to Basic and Clinical Environmental Studies" German-Japan Bio Web City/Region Symposium "New Trend of Landscape Design 2: Seamless Connection of Landscape Planning and Design from Regional to Site Scales - The Cultural Context", November 5, 2012, Lecture Hall, Building of Environmental Studies, Nagoya University

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