

## Akito Murayama - Curriculum Vitae

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Akito MURAYAMA (Age: 40)

Associate Professor

Ph.D. in Urban Engineering (2004, The University of Tokyo)

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### I. Overview

Akito Murayama is Associate Professor of Urban Planning at Department of Urban Engineering, School of Engineering, The University of Tokyo. After graduating from Department of Urban Engineering, School of Engineering, The University of Tokyo in 2004, he has worked as Project Researcher at Center for Sustainable Urban Regeneration, The University of Tokyo for two and a half years. From October 2006 to March 2014, he has worked as Associate Professor at Graduate School of Environmental Studies, Nagoya University. From April 2014, he is working at the University of Tokyo.

He received City Planning Institute of Japan Paper Encouragement Award in 2004 (City Planning Institute of Japan) for his Ph.D. thesis, Landscape Installation Award in 2013 (Nihon Mokuzai Seisounen Dantai Rengokai 16th Wood Utilization Contest) for Nishiki 2 Street Wood Deck Project and Literature Award in 2015 (Japan Association for Human and Environmental Symbiosis) for the co-authored book on urban and regional sustainability assessment. Co-authored English publications include "Living Cities in Japan: Citizens' Movements, Machizukuri and Local Environments" (Routledge, 2007), "Innovations in Collaborative Urban Regeneration" (Springer, 2009) and "Basic and Clinical Environmental Approaches in Landscape Planning" (Springer, 2014) and Urban Resilience - A Transformative Approach" (Springer, 2016).

He teaches land use planning for undergraduate students, urban planning theory for graduate students and planning studios for both undergraduate and graduate students.

He also participates in planning and community development practices including Nagoya City Master Plan (2011), Low Carbon City Nagoya Strategy Action Plan (2011), Nagakute City Kouennishi Station Area Low Impact Development Master Plan (2013), Shizuoka City Master Plan (2016), Yokosuka City Master Plan (2016) as well as community-driven initiative in Nishiki 2 District in Nagoya City. In Nishiki 2 District, he has taken a lead in developing Nishiki 2 District Vision (2011), applying to Nagoya City Low Carbon Model District (2015) and managing community-led low carbon projects.

### II. Fields of Specialization and Academic Experiences

#### Fields of Specialization

Urban Planning, Urban Design (as Public Policy), Community Development  
In particular, Planning Methodology (Procedure and Technique)

### Academic Background

- 2004.3 Completed Doctoral Course, Department of Urban Engineering, School of Engineering, The University of Tokyo
- 2001.3 Completed Master Course, Department of Urban Engineering, School of Engineering, The University of Tokyo
- 1999.3 Graduated from Department of Urban Engineering, School of Engineering, The University of Tokyo
- 1995.3 Graduated from Seibu Gakuen Bunri High School

### Work Experiences

- 2014.4- Associate Professor, Department of Urban Engineering, School of Engineering, The University of Tokyo
- 2014.4-2015.9 Part-time Lecturer, Nagoya University
- 2006.10-2014.3 Associate Professor, Department of Environmental Engineering and Architecture, Graduate School of Environmental Studies, Nagoya University  
Department of Civil Engineering and Architecture, School of Engineering, Nagoya University
- 2011.6-2014.3 Associate Professor, Disaster Mitigation Research Center, Nagoya University
- 2013.3-2013.9 Part-time Lecturer, School of Creative Science and Engineering, Waseda University
- 2007.4-2008.3 Special Researcher, Nagoya Urban Institute
- 2004.4-2006.9 Project Researcher, Center for Sustainable Urban Regeneration, School of Engineering, The University of Tokyo

### Membership of Academic and Professional Societies

The City Planning Institute of Japan  
Architectural Institute of Japan  
Association of Urban Housing Sciences  
Japan Urban Design Institute  
National Area Management Network  
International Alliance for Sustainable Urbanization and Regeneration (as UTdUE)  
EcoDistricts

### III. Publications and Presentations in English

Publications and Presentations in Japanese are included in the Japanese version:  
[http://up.t.u-tokyo.ac.jp/%7emurayama/profile/murayama\\_profile.pdf](http://up.t.u-tokyo.ac.jp/%7emurayama/profile/murayama_profile.pdf)

#### Books

1. 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. \*\*\*\*, 2017 (In Press)
2. 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>
3. 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>
4. 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>

5. 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>
6. 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>
7. 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>
8. 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. 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>
2. Mari Watanabe, Akito Murayama: Reclaiming Urban Streets: Comparative Analysis of Planning Process, Cost and Technical Standards of "Parklets" in San Francisco and Los Angeles, *Journal of Sustainable Urbanization and Regeneration: Selected Papers from IASUR Conference 2014*, pp.133-144, 2015, ISSN: 21898359
3. 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>
4. 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>
5. 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>
6. 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>
7. 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>
8. 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
9. Einaz 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

#### Courses Online

edX course on "Sustainability Science - A Key Concept for Future Design" (Joint Work)  
<https://www.edx.org/course/sustainability-science-key-concept-utokyox-utokyo006x>

#### Presentations

1. 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
2. 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
3. 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
4. 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
5. 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
6. 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
7. 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
8. 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
9. 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
10. 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
11. 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
12. 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
13. 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
14. 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
  15. 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
  16. 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
  17. 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
  18. Akito Murayama: Achieving Citywide Planning Goals through Machizukuri: The Recent Low-Carbon Movements in Nagoya City, Japan, CCRR-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
  19. 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
  20. 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.
  21. 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
  22. 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
  23. 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
  24. 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.
  25. 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.
  26. 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
  27. 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.
  28. 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
29. 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 Project Experiences

##### International Studio

1. 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
2. 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
3. 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
4. Collaborator, ENSA-PVS/GSES-NU Joint Architectural and Urban Design Workshop 2013 Autumn "Imagining a City without Highway", September 13, Paris, France
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", April 29- May 3, 2013, Nagoya City, Japan
6. 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
7. Collaborator, ENSA-PVS/GSES-NU/Kansas U Joint Architectural and Urban Design Workshop 2011 Autumn "Proposal for Bercy-Poniatowski District", September 2011, Paris, France
8. 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
9. Collaborator, Japon Workshop ENSA-PVS/GSES-NU 2009-2012 "Prospective Métropolitaine", September 2009, Paris, France
10. 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 Symposium and Seminar

1. 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
2. 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
3. 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

4. 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
5. 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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