

PUBLICATIONS (NAKAMICHI Kumiko)

(Update on 16 January 2017)

1. Books

- 1) Mamoru TANIGUCHI, Ryoji MATSUNAKA and Kumiko NAKAMICHI (2007) *A pictorial encyclopedia of residential zones*, Gihodo Shuppan. (in Japanese)
- 2) Mamoru TANIGUCHI, Ryoji MATSUNAKA and Kumiko NAKAMICHI (2008) A time-series analysis of relationship between urban layout and automobile reliance: Have cities shifted to integration of land use and transport?, (Ed, by C.A.Brebbia), *Urban Transport XIV, - Urban Transport and the Environment in the 21st Century*, pp.415-424, WIT press.
(<http://library.witpress.com/pages/PaperInfo.asp?PaperID=19423>)
- 3) Kumiko NAKAMICHI, Yoshiki YAMAGATA and Hajime SEYA (2015) An integrated model for assessing carbon dioxide emissions considering climate change mitigation and flood risk adaptation interaction, (Ed, by Jonathan Li and Xiaojun Yang), *Monitoring and Modeling of Global Changes: a Geomatics Perspective: A Geomatics Perspective*, Springer Remote Sensing/photogrammetry, pp.241-262, Springer.
(<http://www.springer.com/us/book/9789401798129>)

2. Refereed International Journal Articles

- 1) Yoshiki YAMAGATA, Hajime SEYA and Kumiko NAKAMICHI (2013): Creation of future urban environmental scenarios using a geographically explicit land-use model: A case study of Tokyo, *Annals of GIS*, Vol.19, Issue 3, pp.153-168.
(<http://www.tandfonline.com/doi/full/10.1080/19475683.2013.806358>)
- 2) Kumiko NAKAMICHI, Yoshiki YAMAGATA and Hajime SEYA (2013): CO₂ emissions evaluation considering introduction of EVs and PVs under land-use scenarios for climate change mitigation and adaptation - Focusing on the change of emission factor after the Tohoku Earthquake -, *Journal of the Eastern Asia Society for Transportation Studies*, Vol.10, pp.1025-1044.
(https://www.jstage.jst.go.jp/article/easts/10/0/10_1025/article)
- 3) Sachiho A. ADACHI, Fujio KIMURA, Hiroyuki KUSAKA, Michael G. DUDA, Yoshiki YAMAGATA, Hajime SEYA, Kumiko NAKAMICHI and Toshinori AOYAGI (2014): Moderation of summertime heat island phenomena via modification of the urban form in the Tokyo Metropolitan Area, *Journal of Applied Meteorology and Climatology*, Vol.53, Issue 8, pp.1886-1900.
(<http://journals.ametsoc.org/doi/abs/10.1175/JAMC-D-13-0194.1>)
- 4) Hajime SEYA, Yoshiki YAMAGATA and Kumiko NAKAMICHI (2015) Creation of municipality level intensity data of electricity in Japan, *Applied Energy*. (in press)
(<http://www.sciencedirect.com/science/article/pii/S0306261915001919>)
- 5) Kumiko NAKAMICHI, Shinya HANAOKA, Shinsuke MOGI and Thaned SATIENNAM (2015) Estimation of CO₂ emissions for low carbon urban freight transport in Khon Kaen, Thailand, *Journal of the Eastern Asia Society for Transportation Studies*, Vol.11, pp.799-818.
(https://www.jstage.jst.go.jp/article/easts/11/0/11_799/article)

- 6) Kumiko NAKAMICHI, Shinya HANAOKA and Yuhki KAWAHARA (2016) Estimation of cost and CO₂ emissions with a sustainable cross-border supply chain in the automobile industry: A case study of Thailand and neighboring countries, *Transportation Research Part D: Transport and Environment*, Vol.43, pp.158-168.
<http://www.sciencedirect.com/science/article/pii/S136192091600002X>
- 7) Hajime SEYA, Kumiko NAKAMICHI and Yoshiki YAMAGATA (2016) The residential parking rent price elasticity of car ownership in Japan, *Transportation Research Part A: Policy and Practice*, Vol.85, pp.123-134.
<http://www.sciencedirect.com/science/article/pii/S0965856416000057>

3. Refereed National Journal Articles

- 1) Kumiko NAKAMICHI, Mamoru TANIGUCHI and Ryoji MATSUNAKA (2004) Development and application of the practical evaluation system for urban consolidation projects -Implication of SLIM CITY (Smart Layout Indicators to Materialize Compact City) for Toyota-city-, *Journal of the City Planning Institute of Japan*, Vol.39-3, pp.67-72. (in Japanese)
https://www.jstage.jst.go.jp/article/cpij1/39/0/39_0_12/article
- 2) Mamoru TANIGUCHI, Ryoji MATSUNAKA, Kumiko NAKAMICHI (2005) Management of urban consolidation plan and flood disaster prevention -Evaluation by SLIM CITY (Smart Layout Indicators to Materialize Compact City)-, *Infrastructure Planning Review*, Vol.22, No.1, pp.171-176. (in Japanese)
https://www.jstage.jst.go.jp/article/journalip1984/22/0/22_0_171/article
- 3) Kumiko NAKAMICHI, Akio SHIMAOKA, Mamoru TANIGUCHI and Ryoji MATSUNAKA (2005) Study on the personal automobile reliance for sustainable society, *Journal of the City Planning Institute of Japan*, No.40-3, pp.37-42. (in Japanese)
https://www.jstage.jst.go.jp/article/cpij1/40/0/40_0_7/article
- 4) Kumiko NAKAMICHI, Shinsuke HASHIMOTO, Mamoru TANIGUCHI and Ryoji MATSUNAKA (2007) Time series analysis of environmental load imparted by automobile transportation that pays attention to the type of residential zones, *Selected Paper of Environmental Systems Research*, Vol.35, pp.121-127. (in Japanese)
https://www.jstage.jst.go.jp/article/proer2000/35/0/35_0_121/article
- 5) Kumiko NAKAMICHI, Mamoru TANIGUCHI and Ryoji MATSUNAKA (2007) A study on residential zone demand changes in perspective for urban reform of local city in local area in the era of population declining: Analysis focused on main sequence and population composition, *Proceedings of 23rd Annual Meeting of the Japan Association for Real Estate Science*, pp.41-48. (in Japanese)
- 6) Kumiko NAKAMICHI, Shinsuke HASHIMOTO, Mamoru TANIGUCHI and Ryoji MATSUNAKA (2007) A study on the relationship between the condition of LRT etc. and car use of residents, *Proceedings of Annual Meeting of Japan Society of Traffic Engineers*, No.27, pp.241-244. (in Japanese)

- 7) Shinsuke HASHIMOTO, Kumiko NAKAMICHI, Mamoru TANIGUCHI and Ryoji MATSUNAKA (2007) Study on the actual condition of city diffusion concerning type of residential zones in the cities in local area, *Journal of the City Planning Institute of Japan*, No.42-3, pp.721-726. (in Japanese)
(https://www.jstage.jst.go.jp/article/cpij1/42/0/42_0_121/article)
- 8) Kumiko NAKAMICHI, Mamoru TANIGUCHI and Ryoji MATSUNAKA (2008): Development of “a Pictorial Archive of Japanese Ordinary Residential Zones” for an examination of compact urban layout to reduce environmental load by transportation, *Journal of Japan Society of Civil Engineers D*, Vol.64, No.3, pp.447-456. (in Japanese)
(https://www.jstage.jst.go.jp/article/jscejd/64/3/64_3_447/article)
- 9) Masahiro HIRANO, Kumiko NAKAMICHI, Mamoru TANIGUCHI and Ryoji MATSUNAKA (2008) Estimation of CO₂ emission by automobile usage in city scale and its time series analysis, *Selected Paper of Environmental Systems Research*, Vol.36, pp.19-25. (in Japanese)
(https://www.jstage.jst.go.jp/article/proer2000/36/0/36_0_19/article)
- 10) Kumiko NAKAMICHI, Hironaga NAKAJIMA, Toshimichi MURAO, Yasuhide NISHIHORI and Mamoru TANIGUCHI (2008) Quantitative analysis of compact urban layout caused CO₂-reduction, *Selected Paper of Environmental Systems Research*, Vol.36, pp.11-17. (in Japanese)
(https://www.jstage.jst.go.jp/article/proer2000/36/0/36_0_11/article)
- 11) Kumiko NAKAMICHI, Mamoru TANIGUCHI and Ryoji MATSUNAKA (2008) The possibility for reduction of car dependence from the perspective of relocation for compact city - A study on change of travel behavior before and after relocation with a focus on metropolitan area -, *Journal of the City Planning Institute of Japan*, No.43-3, pp.889-894. (in Japanese)
(https://www.jstage.jst.go.jp/article/cpij1/43/0/43_0_149/article)
- 12) Kumiko NAKAMICHI, Mamoru TANIGUCHI and Ryoji MATSUNAKA (2009): The possibility for reduction of car dependence from the perspective of relocation for compact city in central city of local city, *Infrastructure Planning Review*, Vol.26, No.2, pp.355-364. (in Japanese)
(<http://library.jsce.or.jp/jsce/open/00041/2009/26-0355.pdf>)
- 13) Yoshiki YAMAGATA, Hajime SEYA and Kumiko NAKAMICHI (2011) Scenario analysis of the future urban land use in the Tokyo Metropolitan Area, *Environmental Science*, Vol.24, No.3, pp.169-179. (in Japanese)
(https://www.jstage.jst.go.jp/article/sesj/24/3/24_169/article)
- 14) Kumiko NAKAMICHI, Toshimichi MURAO, Keiko YOSHIURA and Mamoru TANIGUCHI (2011) Examination of compact layout city measure that considers change of travel behavior before and after relocation and the influence of providing information for car use reduction, *Journal of Japan Society of Civil Engineers D3*, Vol.67, No.3, pp.300-310. (in Japanese)
(https://www.jstage.jst.go.jp/article/jscejpm/67/3/67_3_300/article)
- 15) Kumiko NAKAMICHI, Yoshiki YAMAGATA and Hajime SEYA (2013) Evaluation of CO₂ emissions under land use scenarios for interaction between climate change mitigation and adaptation measures in the Tokyo Metropolitan Area, *Journal of Japan Society of Civil Engineers D3*, Vol.69, No.5,

pp.I_381-I_389. (in Japanese)

(https://www.jstage.jst.go.jp/article/jscejipm/69/5/69_I_381/article)

- 16) Kumiko NAKAMICHI and Fumihiko NAKAMURA (2014) Current state of the modern urban transport system in Medellin, Colombia - A suggestion for the future urban transport strategies -, *Journal of the City Planning Institute of Japan*, Vol.49-3, pp. 867-872. (in Japanese)
(https://www.jstage.jst.go.jp/article/journalcpj/49/3/49_867/article)
- 17) Shinya HANAOKA, Kumiko NAKAMICHI and Tomoaki KATO (2014) Measurement of modal split considering environmental impact of interregional freight transport in Greater Mekong Subregion, *Journal of Japan Society of Civil Engineers D3*, Vol.70, No.5, pp.I_879-I_888. (in Japanese)
(https://www.jstage.jst.go.jp/article/jscejipm/70/5/70_I_879/article)
- 18) Kumiko NAKAMICHI, Yoshiki YAMAGATA, Shinya HANAOKA and Xuyang WANG (2015) Estimation of indirect emissions in each municipality and comparison to direct emissions, *Journal of Japan Society of Civil Engineers D3*, Vol.71, No.5, pp.I_191-I_200. (in Japanese)
(https://www.jstage.jst.go.jp/article/jscejipm/71/5/71_I_191/article)
- 19) Kazuki NAKAMURA, Yoshitsugu HAYASHI, Fumihiko NAKAMURA, Atsushi FUKUDA and Kumiko NAKAMICHI (2015) The methodology of diagnosis and treatment for low-carbon transport development using QOL analysis in Asian developing megacities, *Journal of Japan Society of Civil Engineers D3*, Vol.71, No.5, pp.I_337-I_346. (in Japanese)
(https://www.jstage.jst.go.jp/article/jscejipm/71/5/71_I_337/article)
- 20) Kumiko NAKAMICHI, Shinya HANAOKA and Jianxin GUAN (2016) Estimation and reduction measures of CO₂ emissions by household expenditures in each province of China, *Journal of Japan Society of Civil Engineers G*, Vol.72, No.6, (*Environmental Systems Research*, Vol.44), pp.II_95-II_106. (in Japanese)

4. Conference Proceedings

4.1. Conference Proceedings (International): Refereed Full Papers

- 1) Kumiko NAKAMICHI, Hajime SEYA, and Yoshiki YAMAGATA (2012) Geographically explicit direct/indirect CO₂ emission scenarios for a compact city in 2050, *Proceeding of the 10th Symposium of the International Urban Planning and Environment Association (UPE10 Next City)*, pp.14-26 Sydney, Australia.
(<http://static.icms.com.au/upe10/proceedings.pdf>)
- 2) Kumiko NAKAMICHI, Yoshiki YAMAGATA and Hajime SEYA (2013) Integrated CO₂ emissions evaluation system for climate change mitigation and flood risk adaptation scenarios, *Proceeding of the 13th edition of the International Conference on Computers in Urban Planning and Urban Management (CUPUM2013)*, Utrecht, Netherlands, USB device.
- 3) Hajime SEYA, Yoshiki YAMAGATA and Kumiko NAKAMICHI (2014) Spatially explicit land-use and energy scenario of Tokyo using household level micro data, *International Conference and Utility Exhibition on: Green Energy for Sustainable Development (ICUE 2014)*, Pattaya, Chonburi, Thailand.

- 4) Hajime SEYA, Yoshiki YAMAGATA and Kumiko NAKAMICHI (2014) Creation of future compact urban form scenarios of Tokyo in combination with adaptation policies, *The 6th International Conference on Applied Energy (ICAE2014)*, Taipei, Taiwan.

4.2. Conference Proceedings (International): Refereed Abstracts (Some full papers are available)

- 1) Mamoru TANIGUCHI, Ryoji MATSUNAKA and Kumiko NAKAMICHI (2005) SLIM CITY (Smart Layout Indicators to Materialize Compact City), as the new package to evaluate compact urban layout – How to manage land recycle and flood disaster prevention –, *Computers in Urban Planning and Urban Management (CUPUM) 05*, No.98, London, UK.
(<http://128.40.111.250/cupum/searchpapers/papers/paper98.pdf>)
- 2) Kumiko NAKAMICHI, Mamoru TANIGUCHI and Ryoji MATSUNAKA (2006) Development and Application of “a Pictorial Encyclopedia of Japanese Residential Zones” for sustainable urban planning, *9th Pacific Regional Science Conference Organization (PRSCO) Summer Institute*, Kuala Lumpur, Malaysia.
- 3) Kumiko NAKAMICHI, Mamoru TANIGUCHI and Ryoji MATSUNAKA (2007) A pictorial encyclopedia of residential zones in world class cities for sustainable urban planning – Japanese cases –, *The 7th International Conference on Urban Planning and Environment (UPE7)*, Bangkok, Thailand.
- 4) Yoshiki YAMAGATA, Hajime SEYA and Kumiko NAKAMICHI (2010) Future projections of land use in Mega-city using an urban economic model: Focusing on the ratio of green coverage and CO₂ emissions, *International Workshop on Urban Climate Projection for better Adaptation Plan*, Tsukuba, Japan.
- 5) Kumiko NAKAMICHI and Yoshiki YAMAGATA (2010) Mapping of anthropogenic heat emission and CO₂ emission in Tokyo Metropolitan Area, *International Workshop on Urban Climate Projection for better Adaptation Plan*, Tsukuba, Japan.
- 6) Kumiko NAKAMICHI and Yoshiki YAMAGATA (2010) Evaluation of compact city on the CO₂ emission from residential and transportation, *the 9th Symposium of the International Urban Planning and Environment Association (UPE9)*, pp.69-70, Guangzhou, China.
- 7) Kumiko NAKAMICHI, Yoshiki YAMAGATA and Hajime SEYA (2010) Mapping of the CO₂ and anthropogenic heat emission under spatially explicit urban land use scenarios, *American Geophysical Union (AGU) 2010 Fall Meeting*, B21E-0358, San Francisco, California, USA.
- 8) Yoshiki YAMAGATA, Hasi Bagan, Hajime SEYA and Kumiko NAKAMICHI (2010) Geographically explicit urban land use change scenarios for mega cities: A case study in Tokyo, *American Geophysical Union (AGU) 2010 Fall Meeting*, B21E-0360, San Francisco, California, USA.
- 9) Sachiko A ADACHI, Fujio KIMURA, Hiroyuki KUSAKA, Yoshiki YAMAGATA, Hajime SEYA, Kumiko NAKAMICHI and Toshinori AOYAGI (2013) Mitigation effects of urban form change on summertime heat island phenomena in Tokyo metropolitan area, *International Geographical Union (IGU) 2013 Kyoto Regional Conference*, 01667, Kyoto, Japan.

- 10) Yoshiki YAMAGATA, Hajime SEYA, Kanae MATSUI, Kumiko NAKAMICHI, Yoshiki KINEHARA and Tsuyoshi INOUE (2013) Integrating climate and disaster risk managements into the urban resilience, *International Geographical Union (IGU) 2013 Kyoto Regional Conference*, 00623, Kyoto, Japan.
- 11) Hajime SEYA, Yoshiki YAMAGATA and Kumiko NAKAMICHI (2013) Spatially explicit urban land-use model for managing climate risks, *International Geographical Union (IGU) 2013 Kyoto Regional Conference*, 00484, Kyoto, Japan.
- 12) Kumiko NAKAMICHI, Yoshiki YAMAGATA and Hajime SEYA (2013) Assessment of CO₂ emissions under land-use scenarios considering climate mitigation and flood risk adaptation in the Tokyo Metropolitan Area, *International Geographical Union (IGU) 2013 Kyoto Regional Conference*, 00553, Kyoto, Japan.
- 13) Yoshiki YAMAGATA, Hajime SEYA and Kumiko NAKAMICHI (2013) Geographically explicit IAM for climate compatible urban scenarios: Synergy and trade-off between mitigation and adaptation measures, *The 6th Annual Integrated Assessment Modeling Consortium (IAMC) Annual Meeting*, Tsukuba, Japan.
- 14) Hajime SEYA, Yoshiki YAMAGATA and Kumiko NAKAMICHI (2014) Spatially explicit land-use and energy scenario of Tokyo using household level micro data, *International Conference and Utility Exhibition on: Green Energy for Sustainable Development (ICUE 2014)*, Pattaya, Chonburi, Thailand.
- 15) Kumiko NAKAMICHI, Shinya HANAOKA and Yuhki KAWAHARA (2014) Estimation of cost and CO₂ emission with green supply chain of automobile manufactures in Thailand and surrounding countries, *The 5th International Conference on Transportation and Logistics (T-LOG 2014)*, Bangkok, Thailand.
- 16) Koji DAIRAKU, Yoshiki YAMAGATA, Junpei HIRANO, Hajime SEYA, Nobumitsu TSUNEMATSU and Kumiko NAKAMICHI (2014) Dynamical downscaling and socio-economic land use scenarios for regional scale adaptation to climate change in Tokyo Metropolitan Area, *Asia Oceania Geosciences Society (AOGS) 11th Annual Meeting*, IG10-D4-AM1-EA-006 (IG10-A003), Sapporo, Japan.
- 17) Sachiho A. ADACHI, Fujio KIMURA, Hiroyuki KUSAKA, Michael G. DUDA, Yoshiki YAMAGATA, Hajime SEYA, Kumiko NAKAMICHI and Toshinori AOYAGI (2015) Moderation of summertime heat-island phenomena via modification of the urban form in the Tokyo metropolitan area, *9th International Conference on Urban Climate (ICUC 9)*, Toulouse, France.

4.3. Conference Proceedings (National)

- 1) Mamoru TANIGUCHI and Kumiko NAKAMICHI (2004) Techniques for compact urban reform -The effectiveness of New Urbanism and other foreign concepts-, *Proceedings of Infrastructure Planning*, Vol.29, CD-ROM. (in Japanese)
- 2) Mamoru TANIGUCHI, Ryoji MATSUNAKA and Kumiko NAKAMICHI (2004) A perfect marriage of urban consolidation plan and flood disaster prevention -Evaluation by SLIM CITY (Smart Layout Indicators to Materialize Compact City)-, *Proceedings of Infrastructure Planning*, Vol.30, CD-ROM.

(in Japanese)

- 3) Kumiko NAKAMICHI, Mamoru TANIGUCHI and Ryoji MATSUNAKA (2006) Main sequence of transitional residential zone types: Perspective for urban reform in the population declining era, *Proceedings of Infrastructure Planning*, Vol.34, CD-ROM. (in Japanese)
- 4) Noriyasu KACHI, Kumiko NAKAMICHI, Hirokazu KATO, Mamoru TANIGUCHI and Yoshitsugu HAYASHI (2006) Comparative analysis of the QALY-based QOL measurement method and SLIM CITY model, *Proceedings of Infrastructure Planning*, Vol.34, CD-ROM. (in Japanese)
- 5) Kumiko NAKAMICHI, Shinsuke HASHIMOTO, Mamoru TANIGUCHI and Ryoji MATSUNAKA (2007) Study on the changes and present state of automobile reliance considering common segmentation for trip makers, *Proceedings of Infrastructure Planning*, Vol.36, CD-ROM. (in Japanese)
- 6) Kumiko NAKAMICHI, Mamoru TANIGUCHI and Ryoji MATSUNAKA (2008) The possibility for reduction of car dependence from the perspective of relocation for compact city, *Proceedings of Infrastructure Planning*, Vol.38, CD-ROM. (in Japanese)
- 7) Yoshiki YAMAGATA and Kumiko NAKAMICHI (2009) Integrated CO₂ emission mapping of all sectors in Japan: Direct and indirect emission estimation and their analysis, *Proceedings of Infrastructure Planning*, Vol.40, CD-ROM. (in Japanese)
- 8) Kumiko NAKAMICHI, Yoshiki YAMAGATA, Kiyoshi YAMASAKI and Kazuki IWAKAMI (2010) Area cartogram analysis of CO₂ emissions in each municipality, *Proceedings of 2010 Annual Meeting of Society of Environmental Science*, p.26. (in Japanese)
- 9) Yoshiki YAMAGATA, Hajime SEYA and Kumiko NAKAMICHI (2010) A scenario analysis on the future land use and urban environment in Tokyo Metropolitan Area, *Proceedings of 2012 Annual Meeting of Society of Environmental Science*, p.14. (in Japanese)
- 10) Yoshiki YAMAGATA, Kumiko NAKAMICHI and Hajime SEYA (2010): Deriving input parameters to urban climate models using a land use model, *Proceedings of CSIS DAYS 2010*, p.40. (in Japanese)
- 11) Yoshiki YAMAGATA, Hajime SEYA and Kumiko NAKAMICHI (2010) On building a land use model in metropolitan area based on micro level zones, *Proceedings of Infrastructure Planning*, Vol.42, CD-ROM. (in Japanese)
- 12) Kumiko NAKAMICHI and Yoshiki YAMAGATA (2010) Distribution and attribution analysis of all sector CO₂ emission of each municipality focused on direct and indirect emission, *Proceedings of Infrastructure Planning*, Vol.42, CD-ROM. (in Japanese)
- 13) Kumiko NAKAMICHI and Yoshiki YAMAGATA (2011) Distribution and attribution analysis of residential sector CO₂ emission focused on each metropolitan area, *Proceedings of Infrastructure Planning*, Vol.43, CD-ROM. (in Japanese)
- 14) Hajime SEYA, Yoshiki YAMAGATA, Kumiko NAKAMICHI and Morito TSUTSUMI (2011) Flood vulnerability assessment using a CUE model in the Tokyo Metropolitan Area, *Proceedings of Infrastructure Planning*, Vol.44, CD-ROM. (in Japanese)
- 15) Sachiko A. ADACHI, Hiroyuki KUSAKA, Fujio KIMURA, Yoshiki YAMAGATA, Hajime SEYA, Kumiko NAKAMICHI, Toshinori AOYAGI, Motohiko TSUGAWA, Hiroshi G. TAKAHASHI and

- Takao YOSHIKANE (2012) The effect on moderation of summertime heat island phenomena due to urban form modification in Tokyo metropolitan area, *2012 Spring Meeting of the Meteorological Society of Japan*. (in Japanese)
- 16) Kumiko NAKAMICHI, Hajime SEYA and Yoshiki YAMAGATA (2012) Evaluation for indirect CO₂ emission based on household's expenditure due to differences of land use scenarios in Tokyo Metropolitan Area, *Proceedings of 2012 Annual Meeting of Society of Environmental Science*, p.98. (in Japanese)
 - 17) Koji DAIRAKU, Nobumitsu TSUNEMATSU, Junpei HIRANO, Kazurou NAKANE, Yoshiki YAMAGATA, Kumiko NAKAMICHI and Hajime SEYA (2012) Vulnerability and adaptation to climate change in water hazard assessed using regional climate scenarios in the Tokyo region, *Proceedings of 2012 Annual Conference, Japan Society of Hydrology and Water Resources*. (in Japanese)
 - 18) Yoshiki YAMAGATA, Kumiko NAKAMICHI and Hajime SEYA (2012) Evaluation of land use scenarios for interaction between climate mitigation and adaptation measures in the Tokyo Metropolitan Area, *Proceedings of Infrastructure Planning*, Vol.46, CD-ROM. (in Japanese)
 - 19) Kumiko NAKAMICHI, Shinya HANAOKA and Yuhki KAWAHARA (2013) CO₂ emissions estimation considering location of an automobile company in global supply chain, *Proceedings of Infrastructure Planning*, Vol.47, CD-ROM. (in Japanese)
 - 20) Shinya HANAOKA, Tomoaki KATO and Kumiko NAKAMICHI (2013) Eco-efficient modal split of interregional freight transport in Greater Mekong Subregion, *Proceedings of Infrastructure Planning*, Vol.48, CD-ROM. (in Japanese)
 - 21) Kumiko NAKAMICHI, Shinya HANAOKA and GU Yun (2014) Estimation of direct and indirect CO₂ emissions related on automotive manufacturing supply chain in China, *Proceedings of Infrastructure Planning*, Vol.49, CD-ROM. (in Japanese)
 - 22) Hajime SEYA, Kumiko NAKAMICHI and Yoshiki YAMAGATA (2014) Elasticity evaluation of residential parking price in car ownership using micro data of the household expenditure survey, *Proceedings of Infrastructure Planning*, Vol.49, CD-ROM. (in Japanese)
 - 23) Kumiko NAKAMICHI, Yoshiki YAMAGATA, Shinya HANAOKA and Xuyang WANG (2014) Estimation and visualization of direct and indirect CO₂ emissions of each municipality in Japan, *Proceedings of Infrastructure Planning*, Vol.50, CD-ROM. (in Japanese)
 - 24) Kazuki NAKAMURA, Yoshitsugu HAYASHI, Fumihiko NAKAMURA, Atsushi FUKUDA, and Kumiko NAKAMICHI (2014) Diagnosis for low-carbon transport and treatment with QOL evaluation in Asian developing megacities, *Proceedings of Infrastructure Planning*, Vol.50, CD-ROM. (in Japanese)
 - 25) Kumiko NAKAMICHI, Shinya HANAOKA and Yun GU (2015) Estimation and the Reduction Measures of Automobile Product CO₂ Emissions Considering Supply Chain in China, *The 10th Meeting of the Institute of Life Cycle Assessment, Japan*, Kobe, Japan. (in Japanese)
 - 26) Kumiko NAKAMICHI, Shinya HANAOKA and Tianyue LI (2015) Estimation of the contained CO₂

emissions from the supply chain of Chinese manufacturing industry, *Proceedings of Infrastructure Planning*, Vol.52, CD-ROM. (in Japanese)

- 27) Kumiko NAKAMICHI, Tianzi LU and Shinya HANAOKA (2016) The transition of residential zone types and travel behavior in metropolitan and local area in Japan, *Proceedings of Infrastructure Planning*, Vol.53, CD-ROM. (in Japanese)
- 28) Kumiko NAKAMICHI, Shinya HANAOKA and Dhruvo ALAM (2016) Operation and trip characteristics of paratransit in Khulna City, Bangladesh, *Proceedings of Infrastructure Planning*, Vol.54, CD-ROM. (in Japanese)

5. Others

5.1. Symposium, Seminar, Workshop and Special Lecture (in English)

- 1) Kumiko NAKAMICHI: Evaluation of Direct/indirect CO₂ emissions under land-use change scenarios for climate mitigation and adaptation, *Half-day Workshop on Linking Climate Compatible Urban Development to Resilience*, Bangkok, Thailand, 2013.02.13.