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Specialization:

Urban Planning, Disaster Prevention Planning, GIS

Research Subject:

Urban Fire-spread Hazard Evaluation Theory

Urban Vulnerability Assessment Methodology

Planning Support System based on GIS

Urban Planning Theory from the viewpoint of Disaster Mitigation

Political Science of Disaster Management

Improvement Planning in Inner City Area

Education:

1999 Doctor of Engineering, Department of Urban Engineering
 Graduate School of Engineering, The University of Tokyo

1992 Master of Engineering, Department of Urban Engineering
 Graduate School of Engineering, The University of Tokyo

1990 Bachelor of Engineering, Department of Urban Engineering
 Faculty of Engineering, The University of Tokyo

Academic Career:

1996-now Assistant Professor, Department of Urban Engineering, Faculty of
 Engineering, The University of Tokyo

1993-1996 Assistant Professor, Engineering Research Institute, Faculty of
 Engineering, The University of Tokyo

Recent Selected Advisory Board or Committee Member of Governments:

2006-now	Advisory Board for Fire Prevention, Tokyo Metropolitan Government (TMG)
2005-now	Research Committee on Evacuation Plan from Urban Fire Spread, TMG
2005-now	Research Committee on Urban Vulnerability Assessment to Earthquake, TMG
2006	Chairperson, Research Committee on Standard of Disaster Mitigation District Plan, Ministry of Land, Infrastructure and Transport (MLIT)
1999-2003	Committee of Technology Development Project, MLIT

Recent Selected Publications:

- Kato, T., Nakabayashi I., Ichiko T. (2008) “Development of Planning Support System for Urban Rehabilitation and Reconstruction”, *Journal of Disaster Research*, Vol. 3, No. 6, pp.422-428
- Kato, T. (2008) “Community-Based Urban Planning Support System Enhanced by Urban Vulnerability Assessment Technologies”, *Spatial Data Infrastructure for Urban Regeneration*, cSUR-UT: Library for Sustainable Urban Regeneration 8, Springer, pp.103-126
- Kato, T. (2008) “Vulnerability to Earthquake and Countermeasures in Tokyo”, *Vulnerable Cities: Realities, Innovations and Strategies*, cSUR-UT: Library for Sustainable Urban Regeneration 8, Springer, pp.317-330
- Kato, T. et al (2008) “Integrated Earthquake Fire Risk Evaluation Based on Single Building Fire Probability Applicable to All Map Scales”, *Journal of Natural Disaster Science*, Vol. 28, No. 2, pp.61-72
- Kato, T. et al (2007) “Usefulness and Improvement Ideas for Fire Spread Simulator in Urban Disaster Mitigation Planning”, *Japan Assoc. for Fire Science and Eng.* (in Japanese)
- Kato, T. et al (2007) “Promotion of Urban Community-based Disaster Mitigation Planning with GIS-based Planning Support System Enhanced by Urban Vulnerability Assessment Technology”, *Shin-Toshi*, Urban Planning Assoc. (in Japanese)
- Kato, T. et al (2007) “The Structure of Disaster Mitigation Performance of Road Network from the viewpoint of Road Blockade”, *Journal of Architecture, Planning* (in Japanese)
- Kato, T. et al (2006) “A Method for The Integrated Earthquake Fire Risk Evaluation Based on The Single Building Fire Probability Applying to Any Different Map-Scale”, *Journal of Social Safety Science* (in Japanese)