ACADEMIC SHORT CV

Department of Civil and Environmental Engineering
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NAME: **Masashi OKUSHIMA**

CURRENT POSION: **Associate Professor of Traffic Engineering**

Academic Qualifications:

2005 D.E. Traffic Engineering, Kyoto University

1994 M.E. Applied System Engineering, Kyoto University

1992 B.E. Traffic Engineering, Kyoto University

Membership and Committees:

2007 The City Planning Institute of Japan

2003 The Japan Society of Transportation Economics

2002 Japan Society for Fuzzy Theory and Intelligent Informatics

1994 Japan Society of Traffic Engineers

1992 Japan Society of Civil Engineers

Present and recent interests of research:

- Traffic Simulation System
- Travel Behavior Analysis
- Ecological City Planning
- Statistical Modeling

Research Publications:

Refereed Journal Articles:

M. Errampalli, M. Okushima & T. Akiyama: Development of the Microscopic Traffic Simulation Model with the Fuzzy Logic technique, SIMULATION: Transactions of The Society for Modeling and Simulation International, Vol. 89, No. 1, pp. 87-101, 2013.

M. Okushima, T. Akiyama & M. Errampalli: Microscopic Fuzzy Urban Traffic Simulation with Variable Demand, Journal of Civil Engineering and Architecture, Vol. 6, No. 5, pp. 541-556, 2012.

M. Okushima & T. Akiyama: Multi-Agent Transport Simulation Model for Eco-Commuting Promotion Planning, Journal of Advanced Computational Intelligence & Intelligent Informatics, Vol. 15, No. 7, pp. 911-918, 2011.

T. Akiyama & M. Okushima: Analysis of Railway User Travel Behaviour Patterns of Different Age Groups, IATSS Research, Vol. 33, No. 1, pp. 6-17, 2009.

T. Akiyama & M. Okushima: Implementation of Cordon Pricing on Urban Network with Practical Approach, Journal of Advanced Transportation, Vol. 42, No. 2, pp. 221-248, 2006.

M.Okushima, Y. Takihi and T. Akiyama: Fuzzy Traffic Controller in Ramp Metering of Urban Expressway, Journal of Advanced Computational Intelligence & Intelligent Informatics, Vol. 7, No. 2, pp. 207-214, 2003.

Papers in Refereed Conference Proceedings:

M. Okushima & T. Akiyama: Multi-Agent Transport Simulation Model with Social Network in Small World, Proceeding of Joint 6th the International Conference on Soft Computing and Intelligent Systems and 13th International Symposium on Intelligent Systems, Vol. 6, No. W2-55-4, 6pages, Nov. 2012.

M. Okushima & H. Yamanaka: Traffic Simulation of Evacuation by Vehicle at the Outbreak of Tsunami in the Coastal Plain Area of the Local City, Proceedings of the Disaster Management 2012, pp. 381-390, Aug. 2012.

M. Okushima: Analysis of commuting modal shift with social interaction of consciousness for environment, Proceedings of 13th International Conference on Travel Behaviour Research, 21pages, Jul. 2012.

M. Okushima, T. Akiyama & M. Errampalli: Impact Analysis of Bus Fare System with Microscopic Fuzzy Traffic Simulation, Proceedings of the 1st Conference of Transportation Research Group of India, 12pages, Dec. 2011.

M. Okushima and A. Kondo: Design of Promotion Plan for Eco-Commuting with Multi Agent Simulation Model, Proceedings of 12th International Conference on Computers in Urban Planning and Urban Management, 15pages, Jul. 2011.

A. Saifizul A., K. Rehan M., H. Yamanaka & M. Okushima: Empirical Analysis on the Effect of Gross Vehicle Weight and Vehicle Size on Speed in Car Following Situation, Proceedings of the Eastern Asia Society for Transportation Studies, Vol.8, Jun. 2011.