

Curriculum Vitae

Hironobu HASEGAWA

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Personal Details

Gender: Male
Date of birth: 19 Oct 1980
Place of birth: Furano City, Japan
Nationality: Japanese

Fields of Research Interest

Transportation Engineering
National, Regional and Urban Planning

Education

1999–2004 Department of Civil and Architecture Engineering, Muroran Institute of Technology
2004–2009 Graduate School of Engineering, Department of Civil Engineering, Muroran Institute of Technology
Awarded the degree of PhD in Civil Engineering for a thesis entitled Development of the Discriminant Method for the Knowledge Discovery from Infrastructure Planning Databases. Work supervised by Professor Tohru TAMURA

Current Position

2008–present Assistant Professor, Department of Civil and Environmental Engineering, Akita National College of Technology, Japan

Work Experience

- 2006-2007 Part-time Instructor at the Department of Civil Engineering, Nihon Kogakuin College of Hokkaido, Japan
- 2006-2009 Research Assistant at the Department of Civil and Architecture Engineering, Muroran Institute of Technology, Japan
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List of Publications

Selected Research Papers

- [1] Hironobu HASEGAWA, Masaru FUJII, Mikiharu ARIMURA, and Tohru TAMURA. A basic study on traffic accident data analysis using support vectormachine. *Journal of the Eastern Asia Society of Transportation Studies*, Vol. 7, pp. 2873–2880, dec 2007.
- [2] Tohru TAMURA, Masaru FUJII, Hironobu HASEGAWA, and Mikiharu ARIMURA. A study of the possibility of sustainable development of regions that coexist with nature - from the perspectives of the role of infrastructure and development of social capital-. *Social Capital and Development Trends in Rural Areas*, Vol. 3, pp. 25–45, sep 2008.
- [3] Masaru FUJII, Hironobu HASEGAWA, Mikiharu ARIMURA, and Tohru TAMURA. A study on the possibility of achieving the sustainable development of rural areas utilizing social capital. *Social Capital and Development Trends in Rural Areas*, Vol. 4, pp. 161–170, mar 2009.
- [4] Risa KAWASHIMA, Hironobu HASEGAWA, Mikiharu ARIMURA, and Tohru TAMURA. Building an artificial society model for interaction between networks and norms. *Social Capital and Development Trends in Rural Areas*, Vol. 4, pp. 225–239, mar 2009.
- [5] Mikiharu ARIMURA, Toshiyuki NAITO, Hironobu HASEGAWA, and Tohru TAMURA. Application of data mining techniques to congestion data analysis: The case of sapporo urban area. In *Selected Proceedings of World Conference on Transport Research*, Vol. 12, Lisbon, jul 2010.
- [6] Yuta MURAI, Mikiharu ARIMURA, Hironobu HASEGAWA, Tohru TAMURA, and Yasuhiko KAJIYA. Text mining analysis on methods of information provision that influence tourists' travel behavior. *Journal of the Eastern Asia Society for Transportation Studies*, Vol. 8, pp. 941–953, sep 2010.

Proceedings

- [1] Hironobu HASEGAWA, Naoto IDA, Tohru TAMURA, and Mikiharu ARIMURA. Study on the evaluation of existing transportation networks and the required road maintenance level in emergency care. In *Proceedings of The Eastern Asia Society for Transportation Studies*, Vol. 5, pp. 2365–2375, Queen Sirikit National Convention Center, Bangkok, Kingdom of Thailand, sep 2005. Eastern Asia Society for Transportation Studies.
- [2] Hironobu HASEGAWA, Masaru FUJII, Mikiharu ARIMURA, and Tohru TAMURA. A study on traffic accident analysis using support vector machines. In *Proceedings of The World Conference on Transportation Research*, Vol. 11, University of California, Berkeley, California, jun 2007. World Conference on Transport Research Society. DVD-ROM.

- [3] Masaru FUJII, Hironobu HASEGAWA, Mikiharu ARIMURA, and Tohru TAMURA. A study on index of journey time reliability to evaluate road projects in rural areas. In Proceedings of The 11th World Conference on Transportation Research, University of California, Berkeley, California, jun 2007. World Conference on Transport Research Society. DVD-ROM.
 - [4] Hironobu HASEGAWA, Masaru FUJII, Mikiharu ARIMURA, and Tohru TAMURA. A basic study on traffic accident data analysis using support vector machine. In Proceedings of The Eastern Asia Society for Transportation Studies, Vol. 6, pp. 369–377, Dalian Maritime University, Dalian, sep 2007. Eastern Asia Society for Transportation Studies.
 - [5] Masaru FUJII, Hironobu HASEGAWA, Mikiharu ARIMURA, and Tohru TAMURA. A study on journey-time reliability contributing to the sustainable development of rural areas. In Proceedings of The Eastern Asia Society for Transportation Studies, Vol. 6, pp. 166–177, Dalian Maritime University, Dalian, sep 2007. Eastern Asia Society for Transportation Studies.
 - [6] Yuta MURAI, Mikiharu ARIMURA, Hironobu HASEGAWA, Tohru TAMURA, and Yasuhiko KAJIYA. Text mining analysis on methods of information provision that influence tourists' travel behavior. In Proceedings of the Eastern Asia Society for Transportation Studies, Vol. 7, pp. 187–199, nov 2009.
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Professional Activities

Member, Japan Society of Civil Engineers, 2003–Present.

Editorial board member, Civil Engineering, JSCE, Japan Society of Civil Engineers, 2011–Present.

Member, Eastern Asian Society of Transportation Studies, 2005–Present.

Member, City Planning Institute of Japan, 2006–Present.

Member, World Conference on Transport Research Society, 2007–Present.

Member, Japanese Society for Artificial Intelligence, 2008–Present.
