

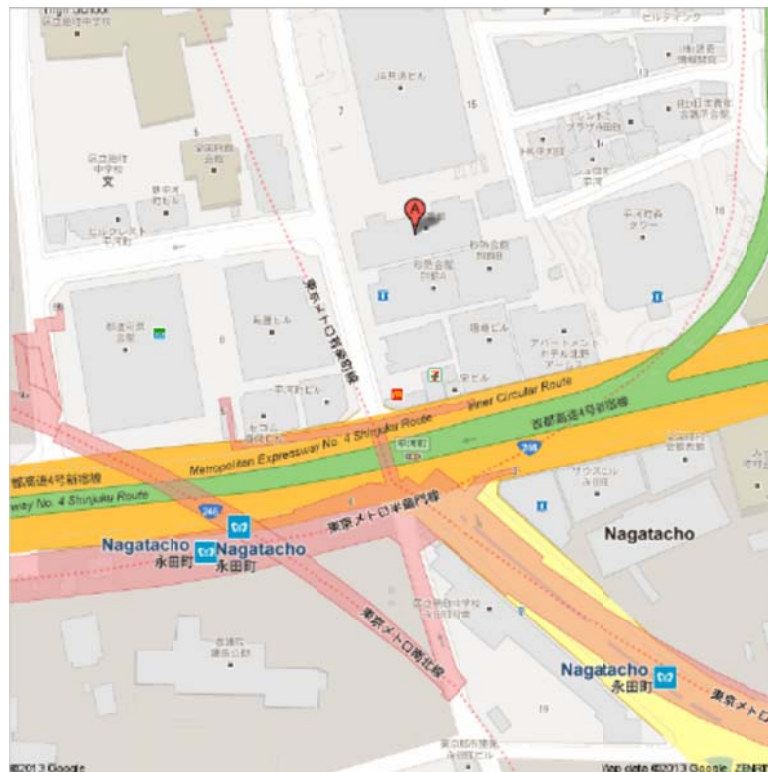
**Dates:** 1<sup>st</sup> (Friday) and 2<sup>nd</sup> (Saturday), March, 2013

**Objectives:** Effects of traffic incident and natural disaster become more serious in modern information oriented society. Transport network management methods should be further developed that would mitigate the social damage in the hazardous conditions. The aim of this international workshop is to exchange the knowledge and experience of the researchers and practitioners in the field of transport network studies under hazardous conditions. The topics of the workshop cover wide range of transport studies; data collection, behavioural analysis, network flow modeling, risk analysis and management.

**Venue:** Sabo-kaikan (砂防会館) Capacity: 81 persons

**Address:** 2-7-5, Hirakawa-cho, Chiyoda-ku, Tokyo, 102-0093

**URL:** <http://www.sabo.or.jp/kaikan-annnai/bekkan.htm>



#### Related Research Projects:

1. 'Traffic Incident Management in Urban Expressways' supported by Japanese Ministry of Land, Infrastructure and Transport (MLIT).
2. 'Transport Network Reliability Evaluation Associated with Mobile Simulation' supported by Japan Society for Promotion of Science (JSPS)

#### Contact Persons

Because of the limited number of seats, please contact in advance if you intend to join.

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**Programme (Tentative [Updated 4<sup>th</sup> Feb 2013])**

**1<sup>st</sup> (Friday) March**

- 09:30-10:00 **Opening**  
*Yasuo Asakura*
- 10:00-10:45 Approaches to Modelling Degradable Networks  
*Mike Bell*
- 10:45-11:00 **Break**
- 11:00-11:30 Estimating Vehicle Trajectories on a Motorway by Data Fusion of Probe and Detector Data  
*Masao Kuwahara, Takeshi Ohhata, Tsubasa Takigawa, Takeshi Imai, Koichi Abe, Kiichiro Nakamura*
- 11:30-12:00 Traffic Accident Risk at Designated Expressway Road Networks  
*Toshio Yoshii*
- 12:00-13:30 **Lunch**
- 13:30-14:15 Temporal and Spatial Impacts of Rainfall Intensity on Traffic Accidents in Hong Kong  
*William Lam*
- 14:15-14:35 Traffic Prediction under Accidents using Dynamic Traffic Simulation on Tokyo Metropolitan Expressway  
*Hiroshi Warita, Ryota Horiguchi, Yuji Tamura, Hikaru Sato*
- 14:35-14:55 Behavior Changes of Drivers in Traffic Jams Due to Traffic Information Provision Based on Portable Traffic Detectors  
*Takeshi Matsushita, Tomoyuki Adachi*
- 14:55-15:15 Improvement of Travel Time Information under Incident Condition Using Prediction Model Based on Current Traffic Condition  
*Toshihiko Kitazawa, Dai Tamagawa, Jun Tanabe, Takeshi Hagihara, Akito Higatani*
- 15:15-15:30 **Break**
- 15:30-16:15 Trip-timing decisions with traffic incidents  
*Mogens Fosgerau*
- 16:15-16:40 The impact of prevailing traffic conditions on incident characteristics  
*Zoi Christoforou*
- 16:40-17:05 The Progress of Miyako Recovery Plan from Tsunami Disaster  
*Tetsuo Yai*
- 17:05-17:30 Land-use Structure and Disaster Vulnerability  
*Daisuke Fukuda*

**Session closed by 18:00**

## 2<sup>nd</sup> (Saturday) March

- 09:15-10:00 Managing Pedestrian Crowds: from First Principles to Crowd Control Strategies  
*Serge Hoogendoorn*
- 10:00-10:45 A virtual travel laboratory: New methodological ways to unravel traffic and travel behaviour under extreme conditions  
*Hans van Lint*
- 10:45-11:00 **Break**
- 11:00-11:30 Modeling the Cooperation Network Formation Process for Evacuation Systems Design in Disaster Areas with a Focus on Japanese Mega-disasters  
*Eiji Hato, Jun Urata*
- 11:30-12:00 Evacuation Dynamics and Social Interactions  
*Takamasa Iryo, Shingo Tsujimoto, Kazunobu Amano*
- 12:00-13:30 **Lunch**
- 13:30-14:15 Resilience Issues in Vulnerable Transport Networks  
*Seungjae Lee*
- 14:15-14:45 Simulation analysis of commuters unable to get home and traffic congestion at large-scale disaster in Nagoya metropolitan area  
*Toshiyuki Yamamoto*
- 14:45-15:15 Spatio-Temporal Analysis of Gasoline Shortage in Tohoku Region after Great East Japan Earthquake  
*Takashi Akamatsu, Takeshi Nagae*
- 15:15-15:30 **Break**
- 15:30-16:00 Respondents' Attitude on Large-scale Probe Person Survey using Smartphone Apps  
*Takuya Maruyama*
- 16:00-16:30 Stochasticity of Transportation Networks: Asymptotic distribution of travel times and maximum likelihood method  
*Sho-ichiro Nakayama*
- 16:30-16:40 **Closing**

**Session closed by 17:00**