

Announcement: Summer Course for International Students 2022  
"Expressway and Automobile"

This seminar follows on from the "Expressway and Automobile Summer Seminar" 2016 and 2018.

The purpose of this seminar is for international students to learn about the actual situation surrounding expressways and automobiles in Japan. Through group discussions with the intention of applying the knowledge to their own cities, the participants will develop and improve their skills and networking to gain a better understanding of Japan and build relationships with their own country.

We will provide lectures and site tours regarding the three recent high potential topics "Disasters, Maintenance Management and Autonomous Driving", by specialists and researchers from the front-line companies and universities.

Eiji Hato,  
Course Director, Professor, Department of Engineering, The University of Tokyo

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■Organizer:

The University of Tokyo  
National Graduate Institute for Policy Studies  
Association for Planning and Transportation Studies

■Associate Companies and institutions:

Central Nippon Expressway Company Limited  
EastNippon Expressway Company Limited  
Hanshin Expressway Company Limited  
Honshu-Shikoku Bridge Expressway Company Limited  
Metropolitan Expressway Co., Ltd  
Nissan Motor Co., Ltd.  
Osaka Metropolitan University  
Toyota Motor Corporation  
West Nippon Expressway Company Limited  
Japan Society of Civil Engineers

■Date:

20th September(Tue) - 21st September(Wed)

■Online:

Keynote and lectures

■Site Tours:

Kanto (Tokyo) Group: Expressway construction sites  
Kansai (Osaka) Group: Hanshin Expressway Earthquake Museum, Akashi Kaikyo Bridge, Hokudanshinsai Memorial Park

\*Classrooms will be prepared to take online lectures in both Kanto/Kansai area. The site tours will depart from the prepared venue.

\*\*Participants will choose between either Kanto/Kansai upon registration.

■Attendance Fee:

JPY 3,000 for materials (Accommodation costs will not be covered.)

■Eligibility:

30 international students, currently study Civil Engineering and Transportation in Japan

■Preliminary assignments:

Participants will be required to submit assignments prior to the course.

■Registration:

<https://forms.gle/9RVznziPwyQcabRT9> (Close on Friday 29nd July 2022)

For questions or more information, please contact at

<https://forms.gle/z6vUmqNjPWJtLazBA>

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■Program (Tentative)

**Day 1, Tuesday 20th September**

9:00-9:15 Introduction and Opening Remarks

Eiji HATO, Professor, the University of Tokyo

Katsuhiko NIWA, Director-General, Road Bureau, Ministry of Land, Infrastructure, Transport and Tourism

9:15-10:15 Keynote Research Talk

“Autonomous Driving and Road Network”

Yasuo ASAKURA, Professor Emeritus, Tokyo Institute of Technology

10:15-10:30 Break

Session 1 Disaster and Expressway

10:30-11:00

“Disaster Damages and Responses on Expressways in Western Japan”

Yukari MATSUSHITA, Engineer, Traffic Division, Expressway Operation Bureau, West Nippon Expressway Company Limited

11:00-11:30

“Initiative for Restoration and Pavement Reconstruction of Expressway from Earthquake Disasters”

Tetsuo MIYAIRI, Director, International Department, Technology & International Division, East Nippon Expressway Co., Ltd.

11:30-12:00

“Recovery from the Great Hanshin-Awaji Earthquake and Future Initiatives”

Yukio ADACHI, Director, Engineering Department, Hanshin Expressway Co., Ltd.

12:00-13:00 Lunch

Site Tours:

Expressway construction sites (Kanto (Tokyo) Group)

Hanshin Expressway Earthquake Museum, Akashi Kaikyo Bridge, Hokudanshinsai Memorial Park (Kansai (Osaka) Group)

**Day 2, Wednesday 21st September**

Session 2 Autonomous driving and Expressway

9:00-9:30

“Shin-Tomei Expressway and Initiatives for Automated Driving Leading edge of sensing”

Toru SUZUKI, Senior Director, International Business Department, Central Nippon Expressway Company Limited

9:30-10:00

“Autonomous moving technology”  
Representative, Toyota Motor Corporation

10:00-10:30

“Automated Driving”  
Hideki YAGINUMA, Associated Professor, Tokyo University of Science

10:30-11:00 Break

Session 3 Expressway Maintenance

11:00-11:30

“Implementation of Metropolitan expressway for Major Renovations and Olympic and Paralympic games in Tokyo”  
Hayato TAKASE, Deputy Manager, Overseas Projects Division, Engineering Consultants Department, Metropolitan Expressway Company Limited

11:30-12:00

“Maintenance of Long-span Bridges”  
Kiyohiro IMAI, Senior Director of Maintenance Department, Executive Officer, Honshu-Shikoku Bridge Expressway Company Limited

12:00-13:30 Lunch

13:30-15:30 Presentation and Discussion by Students

16:00-17:00 Executive Session

“Evolving autonomous driving to meet societal needs -Offering value that goes beyond safety-”  
Kazuhiro DOI, Corporate Vice President, Nissan Motor Co., Ltd.

17:00-18:00 Certificate Presentation

Prof. Kazumasa OZAWA, Director general, the University of Tokyo