

Announcement: Summer Course for International Students: "Urban Transition: Smart City, Sensor and Beyond"

"Next Generation Urban-Transport Studies Unit, the University of Tokyo" and "International Institute for Next Urban Planning, Design and Management, the University of Tokyo" are going to be offering the Summer Course for International Students: "Urban Transition: Smart City, Sensor and Beyond" online.

This is an opportunity to learn more about Japanese smart cities. If you are considering studying at the University of Tokyo or applying for the scholarship program, please join this summer course.

Summer Course for International Students: "Urban Transition: Smart City, Sensor and Beyond"

■Outline

Metastasizing cities in the midst of crisis. The Irish Potato Famine, once called the "Great Famine," triggered a major urban transition that divided the ages.

After the Great East Japan Earthquake and COVID-19, how are Japanese cities going to change now? In our Summer Course, planners, engineers and researchers will give lectures on advanced practices of cities around Japan for social implementation of sensing technology and urban transition. The lectures will consist of fundamentals and applications.

We will learn about advanced sensing technologies for urban flows, from image processing and laser radar to autonomous driving. We will also hear an overview of smart cities in progress in an attractive group of cities in Japan and learn about advanced urban management practices in various regions. We have prepared tutorials by experts in the field and keynote lectures by leading experts, as well as practical attempts at urban transition, such as the autonomous driving project and the Busta project.

This is an opportunity to learn more about Japanese smart cities. We hope you will join us.

©Date : Wednesday, 15th September 2021, 09:00-17:30 [JST/GMT+9]

©Venue: YouTube streaming

©Organized by: Next Generation Urban-Transport Studies Unit, the University of Tokyo,
International Institute for Next Urban Planning, Design and Management, the University of Tokyo,
Association for Planning and Transportation Studies,
National Graduate Institute for Policy Studies

©Participation Fee: Free of charge

■Participants | For all participants [only some lectures will be available / No certificate]

■Application Form | <https://forms.gle/H4EigndhLRSMgASy8>

*NOTE: Registration closes Monday, 13th September 2021 [JST/GMT+9]

For questions or more information, please contact at <https://forms.gle/Pbr4vyRHsFQcw8wV7>

○Program

9:00-9:15 Introduction and Opening Remarks

Prof. Eiji HATO, the University of Tokyo

Mr. Hiroshi WATANABE, Deputy Director-General for Engineering Affairs, City Bureau, MLIT

9:15-10:30 Keynote Research Talk

1 Current Trends in Urban Sensing Technology and Its application

Prof. Takashi FUSE, Professor, the University of Tokyo

2 Crisis and City, Lesson from Potato Famine

Prof. Shunsuke KATSUTA, the University of Tokyo

10:45-12:00 Leading edge of sensing technology | Prof. Daisuke FUKUDA, the University of Tokyo (Moderator)

1 Pedestrian behavior monitoring using 3D laser radar technologies

Dr. Hikaru ISHIKAWA, Technology Development Headquarters, IHI

2 FaceWatch Technologies for urban flow monitoring

NEC Corporation *Presenter undecided

3 Fukushima Recovery Planning with Autonomous Driving

Dr. Nobuyuki Kuge, Manager, Nissan Research Center

13:00-14:45 Development of Smart Cities | Assoc.Prof. Yusuke HARA, Tohoku University (Moderator)

1 Smart Cities in Japan

Mr. Kazunori OSHIMA, Deputy Director, City Planning Survey and Information Office, City Bureau, MLIT

2 Kashiwanoha Smart City

Mr. Masahiro SATO, Chief, Mitsui Fudosan Co., Ltd.

3 Dai-Maru-Yu Smart City

Mr. Kazutaka KURODA Mitsubishi Estate CO., LTD.

4 From Link to Node: New Mobility and Busta change the regional transport networks

Mr. Yohei HARADA, Planning Division, Road Bureau, MLIT

5 Railway's Open innovation and Smart Stations

Mr. Hiroshi IRIE, Technology Innovation Headquarters, East Japan Railway Company

15:00-15:40 Presentation and Discussion by Students

15:45-17:15 Keynote Lecture

“Cities and Information”

Prof. Yasushi ASAMI, Vice-president, the University of Tokyo

“Digital Twin and City Construction”

Mr. Masahshi ASAMI, Vice-president, the University of Tokyo

“Digital Tiro INDO, Executive officer, Shimizu Corporation

17:15-17:30 Certificate Presentation

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