



Seminar for the 6th FORUM for Advanced Fire Education/Research in Asia (2017)

Center for Fire Science and Technology,
Research Institute for Science and Technology
TOKYO UNIVERSITY OF SCIENCE





Opening Address

Welcome to Japan, and TUS fire community. It is our great honor to invite you of various universities/organizations and countries. I am pleased to be able to hold the 6th seminar, which also is held for the second time in Tokyo, since "FORUM for Advanced Fire Education/Research in Asia" was established in 2012. Through these activities, since 2010, the Fire research group of TUS has attained several major outcomes such as establishing theories on performance-based fire safety design and its verification methodology in practical fields, acting as host of symposia or seminars on recent fire education and research in Asian countries, constructing a large scale experimental laboratory equipped with multipurpose large fire furnace and fire material or equipment testing apparatus which plays an important role in joint usage and research between organizations, and the establishment of Graduate School of Global Fire Science and Technology in TUS. During our activities on the FORUM, most Asian countries have been in extreme development with increasing high rise or underground multi-occupied complexes accompanied by the usage of modern new materials and/or components represented by various plastic cored panels. In these situations, we would like to continue the "FORUM for Advanced Fire Education/Research in Asia" toward organizing contributive cooperation in the development of effective education systems for fire safety engineering in Asia, expected to discuss at this Seminar.



Director
Center for Fire Science and Technology,
Tokyo University of Science,
Professor Yoshiyuki Matsubara,

A stylized, handwritten signature in white ink, likely belonging to Professor Yoshiyuki Matsubara, located at the bottom right of the page.

1st day
(November 23, 2017)

S E M I N A R

● Registration

9:00-9:30 ● Seminar Registration

● Opening Address (Chair: Prof. Kohno, TUS)

9:30-9:35 ● Opening (Introducing Guests etc.)

9:35-9:40 ● Opening Remark from TUS Prof. Akira Fujishima, President, TUS

9:40-9:45 ● Opening Remark from CFST at TUS Prof. Yoshiyuki Matsubara, TUS

9:45-9:50 ● Group Photo Session

9:50-9:55 ● Procedure Announcement

9:55-10:00 Break

● Keynote Lecture (Chair: Prof. Matsuyama, TUS)

10:00-10:30 ● International Situation with Performance-Based Regulation for Fire and Fire Safety Engineering
Prof. Brian Meacham, Worcester Polytechnic Institute, US

1st Session Analysis of Fire Hazard Events in Asian Countries/Cities

(Chair: Prof. Hagiwara, TUS)

10:30-10:55 ● Statistic Analysis of the Risk of Hazardous Materials Related Accidents and Regulations
Prof. Kyungok Kwon, The University of Jeonju, Korea

10:55-11:20 ● Fire Risk Analysis of Asian Countries - Results of Five Years Program by TUS
Prof. I. Hagiwara, Y. Matsubara and M. Mizuno, TUS, Japan

2nd Session Developing Professional Engineers Relating to Fire Safety

11:20-11:45 ● Education in Fire Research for the First Degree Programme in Building Services Engineering
Prof. W.K. Chow, The Hong Kong Polytechnic University, Hong Kong

11:45-13:00 Lunch

13:00-14:00 ● Poster Session [About 20 Posters]

3rd Session Fire Risk Analysis for Asian Countries/Cities Based on the Formation of the Fire Safety Information Base.

(Chair: Prof. Tzu-Sheng Shen, Central Police University, Taiwan)

14:00-14:25 ● Analyze the Dangers of Fire Hazard Events in High Density Areas of Hanoi
Prof. Doan Minh Khoi, Ms. Tran Phuong Mai, UAI-NUCE, Vietnam

14:25-14:50 ● The Effects of Critical Velocity in Tunnel Fires with Water Spray System
Prof. Guan-Yuan Wu, Central Police University, Taiwan

14:50-15:15 ● Study on Facade Fire Using ISO 13785-2 and JIS A 1310 Dr. H. Yoshioka, NILIM, Japan

15:15-15:30 Coffee Break

(Chair: Prof. Ikeda, TUS)

15:30-15:55 ● Analysis and Counter Measures for Fire Hazards in High Rise/ Industrial Buildings in Asia Particularly in Bangladesh - A Case Study of Fire Incident & MultiHazard Challenges in Tampaco Foil Factory.
Mr. Ali Ahmed Khan, Bangladesh Fire Service & Civil Defence, Bangladesh

15:55-16:20 ● Fire Risk and Safety Measures of High-rise Residential Building in Korea according to Grenfell Tower Fire Incident
Prof. Young-Jin Kwon, Hoseo University, Korea

16:20-16:45 ● Fire Safety Examinations Based on the Worst Fire Scenarios at Nursing Homes in Taiwan
Dr. Kuo-Hsiung Pan, Prof. Tzu-Sheng Shen and Prof. Shen-Wen Chien, Central Police University, Taiwan

Break

Panel Discussion

16:50-17:30 ● Discussion on Future Mission of the Forum
Moderator: Prof. Y. Ohmiya, TUS

17:30-17:35 ● Closing Remark

18:00-20:00 ● Welcome Reception

2st day

P R O G R A M

Technical Tour for special guests & SAKURA Science Program member only
(November 24, 2017)

10:20 ● Departure from Hotel Villa Fontaine Tokyo - Ueno Okachimachi

10:50 ● Departure from the Agess Hotel and Apartments Tokyo

12:00-13:00 Lunch

13:00-17:00 ● National Research Institute of Fire and Disaster
● Japan Fire Equipment Inspection Institute



Purpose of the establishment of “FORUM” and the Seminar;

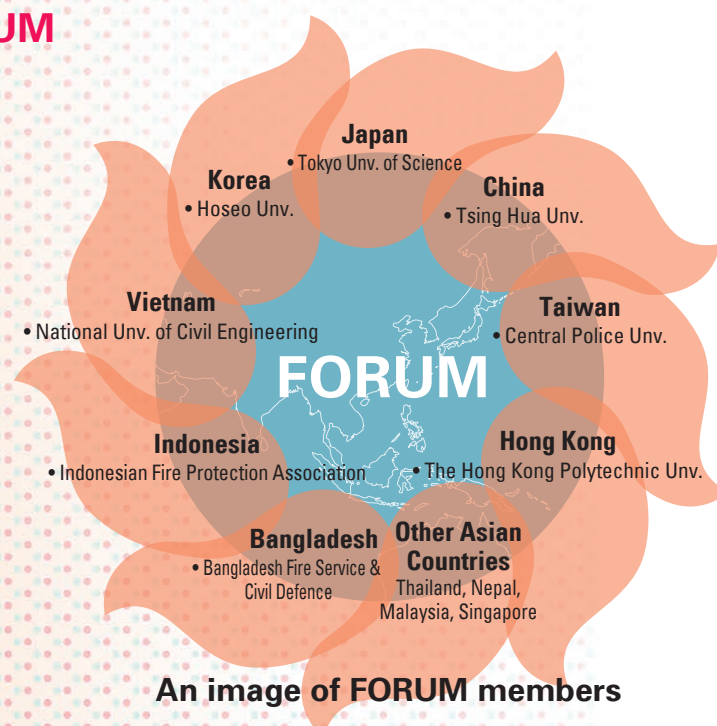
In recent years, emergence of new spatial configurations and use of new materials are apparent in Asian countries. These are inevitable changes brought about by modernization, industrialization and increased need of energy conservation. However, potential fire risks may be increasing with increased number of high-rise buildings and underground facilities. In response to this drastic modernization in Asian countries, fire risks need to be assessed in major cities, working together with researchers of each region, and utilizing research network and specific education systems to be developed in order to establish effective measures for mitigating such risks. To face such issues, highly competent people specialized in the fire protection engineering must be developed. Therefore, we established “FORUM for Advanced Fire Education/Research in Asia” toward establishing organized cooperation contributing to develop effective education systems for fire safety engineering in Asia. Since there are a number of similarities in terms of cultural aspects in Asian countries, there must be a number of comparable contents regarding problems and solutions in fire safety issues.

Center for Fire Science and Technology, Tokyo University of Science (TUS) is pleased to invite to honored delegates to Seminar for this “FORUM for Advanced Fire Education/Research in Asia”, where common problems in Asian countries are presented and future activities will be discussed.

Concepts of FORUM and its activities

- Establish permanent and constructive human resource development systems through cooperation and information exchange among universities, institutes and organizations providing education and research in Fire Safety Engineering.
- Cooperation with equal responsibilities and opportunities.
- Open to as many universities, institutes and organizations as possible, especially universities conducting research and education; not restricting to one organization per country.
- Each member takes turns in organizing meetings, that will be held periodically, e.g. every two years, in order to conduct conferences and seminars on topical themes.
- Publish newsletters for sharing various information on the internet, and exchange information and opinions utilizing mailing lists.
- Provide support to exchange and visiting between organizations or individuals who become known to each other via electric communications.

Members of the FORUM



An image of FORUM members

Venue

Agnes Hall

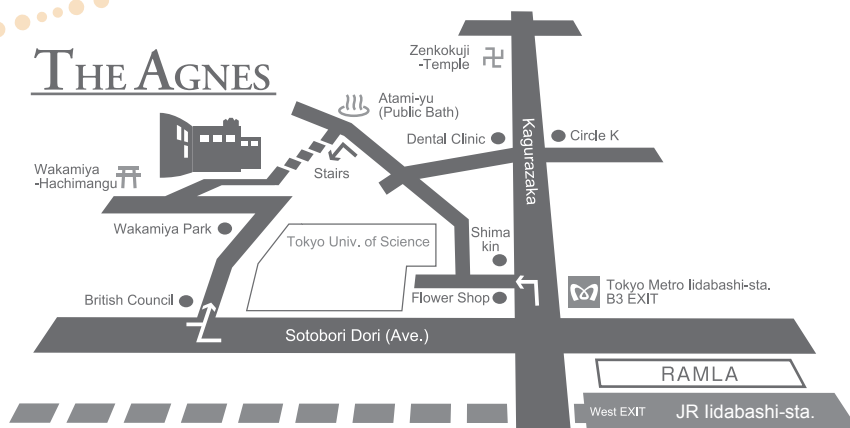
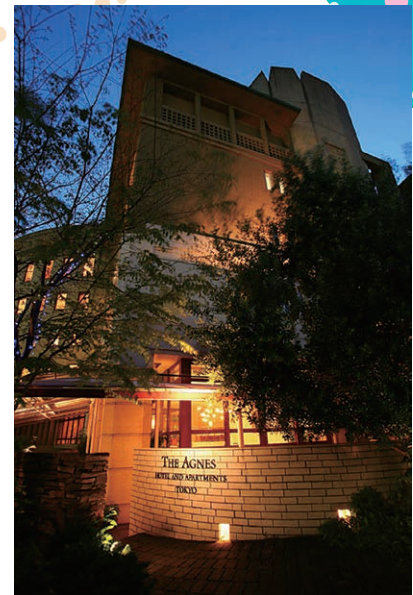
The Agnes Hotel and Apartments Tokyo

2-20-1 Kagurazaka, Shinjuku-ku, Tokyo 162-0825

TEL: +81-3-3267-5505

<http://www.agneshotel.com/access.html>

Nearby station: Iidabashi (JR Line Exit West/Subway Exit B-3)



5-minute walk from the B3 Exit Tokyo Metro Iidabashi and West Exit of JR Iidabashi Stations

Net News on Fire in East Asia

We collect articles on fire of 15 countries in East Asia via online news sites and post them on our website.

The accumulated news is useful to understand different trends of fire in East Asian countries.

To search and read articles, visit the following website.



<http://gcoe.tus-fire.com/eng/ffsa/>

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