

**International Symposium on
Integrated use of geo-spatial information for comprehensive safety
and security; Asian perspective for Geo-Intelligence**

<http://www.csis.u-tokyo.ac.jp/english/symposium/g2010/safety.html>

September 21, 2010 10:00-18:30

PACIFICO Yokohama Convention center, JAPAN

Description of the target of the symposium:

The symposium will be held as a part of national exhibition "Geo-spatial Expo". Integrated use of geo-spatial information and services (e.g. satellite images, GIS data, satellite positioning data/services, ocean survey data, navigation services and etc) can contribute to many societal benefit areas especially safety and security. A key for successful contribution is how to integrate and to adopt them to applications in Asian countries by receiving feed-backs from and promoting international collaboration for further development with Asian users, developers and researchers. Target of the symposium is to discuss about a R&D strategy for integrated use of geo-spatial information/services ("geo-intelligence technology") and collaborative policy directions, envisioning that geo-intelligence technology will be commonly applied to Asian countries, not limited to Japan.

Venue:

PACIFICO Yokohama, Convention center Room 302, 1-1-1 Minato Mirai, Nishi-ku, Yokohama 220-0012, Japan

Access:

3-minute walk from Minato Mirai Station (Minato Mirai Line) or 12-minute walk from Sakuragicho Station (JR or Subway) <http://www.pacifico.co.jp/english/facility/accessmap.html>

Organizers:

Center for Spatial Information Science, The University of Tokyo [<http://www.csis.u-tokyo.ac.jp/>]

Asian Development Bank Institute [<http://www.adbi.org/>]

Cabinet Office, Government of Japan [<http://www.cao.go.jp/>]

Funding Support:

International Exchange Program, National Institute of Information and Communications Technology

Program:

Open symposium (with simultaneous translation J/E)

■ Session 1

Introduction and common technologies for integrated use of geo-spatial information (geo-intelligence) 10:00-12:00

10:00-10:15

Welcome: Dr. Y.Oishi,(Cabinet office, Government of Japan)

Welcome: Prof. Y.Asami (Director, Center for Spatial Information Science, University of Tokyo)

Welcome: Dr. H. Kumagai (Executive director, National Institute of Communication Technology)

10:15-10:25

Scope of the symposium: Prof. R. Shibasaki (CSIS, University of Tokyo)

10:25-10:45

Keynote speech: Expectation to the Integrated use of Geo-spatial Information.

Prof. T. Shiraishi (Executive member, Council for Science and Technology Policy, Japan)

10:45-11:15

Global Strategic Themes: A GEOINT Perspective: Mr. Nick Sutherland, Head of Professional Services, Helyx SIS

11:15-11:35

ICT paradigm shift based on cloud computing and new generation networks: Prof. T. Aoyama (Keio University)

11:35-11:50

Satellite observation and positioning services ~ present and future: Mr. C. Ishida (JAXA)

11:50-12:00

Information services using cellular phone in developing countries ~ present and future: Enam Ur Md. Rahman Khan, (GrameenPhone, Bangladesh)

■ Session 2

Disaster, transportation, ITS, environment/health and ocean applications ~ expectations to geo-intelligence technologies. 13:00-17:15

○ ***Geo-Intelligence for disaster responses*** (Chair: Prof. M. Nakayama, University of Tokyo)

13:00-13:15

Flood forecast using satellite data: Dr. K. Fukami (PWRI)

13:15-13:30

Resolving conflicts over international river management ~ expectations to geo-intelligence: Prof. M. Nakayama (University of Tokyo)

13:30-13:45

Responses to water disasters in Bangladesh ~ expectations to geo-intelligence: Prof. M. Rahman (Bangladesh University of Engineering and Technology; BUET)

13:45-14:00

Discussions

○ ***Geo-intelligence for environment and health*** (Chair: Prof. H. Sawada, IIS, University of Tokyo)

14:00-14:15

Integrated use of geo-spatial information for mitigating forest fire and tracking carbon: Prof. H. Sawada (IIS, University of Tokyo)

14:15-14:30

Monitoring urban air pollution from space: Associate Prof. W. Takeuchi (IIS, University of Tokyo)

14:30-14:45

GIS application for public health: expectations to geo-intelligence: Dr. R. Saito, Niigata University

14:45-15:00

Cholera outbreak in Hanoi and expectations to geo-intelligence: Dr. Pham Quang Thai, MD, MPH, (Department of Epidemiology, National Institute of Hygiene and Epidemiology, Hanoi Vietnam)

15:00-15:15

Discussions

Coffee break 15:15-15:30

○ **Geo-intelligence for transportation and ITS** (Chair: Prof. S. Narupiti, Chulalongkorn University, Thailand)

15:30-15:50

ITS for safety and security ~ from Japan to Asia: Prof. H. Kawashima (Keio University)

15:50-16:05

Transportation issues and expectations to ITS technology in Asian countries: Prof. Sorawit Narupiti (Chulalongkorn University, Thailand)

16:05-16:20

The Local Dynamic Map: a data store for cooperative applications: Dr. S. Dreher (NAVTEQ)

16:20-16:30

Discussions

○ **Geo-intelligence for Maritime transportation, security and ocean resources** (Chair: Mr. Mike Quin, ESRI)

16:30-16:50

Advanced Geospatial Technologies for Reducing Threats to Maritime Transportation: Mr. Mike Quinn (ESRI)

16:50-17:05

Integration of observation and modeling for ocean forecast and its Application -evolution of operational oceanography- : Prof. T. Yamagata (University of Tokyo)

17:05-17:20

A new approach for integration of marine data and information scattered in respective agencies in

Japan - Japanese Marine Cadastre - : Mr. Y. Nagaya (Japan Coast Guard, Hydrographic and Oceanographic Department)

17:20-17:30

Discussions

■ **Concluding session:**

R&D strategies and supporting policies of geo-intelligence 17:30- 18:30

(Chair: Mr. K. Hiroki, CAO, Japan)

Discussants: Mr. Nick Sutherland (Helyx SIS), Prof. M. Nakayama (UT), Mr. Kim (ADB), Mr. J.Gomi (JAXA), Dr. M. Hosokawa (NICT), Prof. R. Shibasaki (CSIS, UT)
