



# Multi-GNSS Asia

Co-Chair Satoshi Kogure



Multi-GNSS Asia (MGA) which promotes multi GNSS in the Asia and Oceania regions and encourages GNSS service providers and user communities to develop new applications and businesses. The MGA activities are reported annually in the ICG providers' forum. The MGA also supports developing countries in achieving its SDGs through technical support on GNSS via seminars for policy makers and more.

	Mar. 2022 (*2020 postponed)	GISTDA (Hybrid format planned: Physical + Online organisation)
	Aug. 2019	GISTDA
	Oct. 2018	RMIT, FrontierSI, GA, GNSS,asia, QSS
	Oct. 2017	LAPAN, BELS, GNSS.asia, QSS, JAXA
	Nov. 2016	Univ. Philippines, NAMRIA, Phivolcs, BELS, GNSS.asia, QSS, JAXA
	Dec. 2015	Soartech, BELS, GNSS.asia, QSS, JAXA, SPAC
	Oct. 2014	NSTDA, G-NAVIS, QSS, JAXA, SPAC
	Dec. 2013	G-NAVIS, HUST, QSS, JAXA, SPAC
	Dec. 2012	ANGKASA, JAXA, G-NAVIS, SPAC
	Nov. 2011	GTC, KARI, JAXA, SPAC
	Nov. 2010	IGNSS, JAXA, SPAC
	Jan. 2010	GISTDA, JAXA, SPAC

 <https://www.multignssasia.com>

 [secretariat@multignss.asia](mailto:secretariat@multignss.asia)

 <https://www.facebook.com/multignss>

 <https://www.youtube.com/c/>

[MultiGNSSAsia](https://www.youtube.com/c/MultiGNSSAsia)



# Steering Committee Members



Chairman



<b>Chair</b>		
Satoshi Kogure	National Space Policy Secretariat (NSPS), Cabinet Office	Japan
<b>Secretary General</b>		
Ryosuke Shibasaki	The University of Tokyo	Japan
<b>Committee Members</b>		
Naohiko Kotake	Keio University	Japan
Noordin Ahmad	Malaysian Space Agency	Malaysia
David A. Turner	Department of State	U.S
Rainer Horn	GNSS.asia	Germany
Nobuaki Kubo	Tokyo University of Marine Science and Technology	Japan
Suelynn Choy	Royal Melbourne Institute of Technology	Australia
Monsak Socharoentum	Digital Government Development Agency (DGA)	Thailand
Damrongrit Niammuad	Geo-Informatics and Space Technology Development Agency (GISTDA)	Thailand
Vinh The La	Hanoi University of Science and Technology	Vietnam
Michihisa Iida	Kyoto University	Japan
Victor Khoo	Singapore Land Authority	Singapore
<b>Advisors</b>		
Akio Yasuda	Tokyo University of Marine Science and Technology	Japan
Chris Rizos	University of New South Wales	Australia
Teruyuki Kato	The University of Tokyo	Japan
Sorawit Narupiti	Chulalongkorn University	Thailand
Noboru Noguchi	Hokkaido University	Japan



# CONFERENCE & EXHIBITION

## MGA Session

- GNSS System Provider
- GNSS Technical Updates
- GNSS Industry Application

## Cooperation between CAO & JICA

- Japan-Thailand Special Session
- Roundtable with Asia's space related government organizations
- Tech Demonstration by Japanese Companies

## Conference and Exhibition

To share the latest advancements to the GNSS and PNT landscape, the MGA conference is organized annually in a different location across the Asia-Oceania region. Delegates can also find out about new technologies, products and services, updates on R&D projects and achievements. The conference attracts participants from industry, government and academia from around the world, making its networking opportunities second-to-none.

In 2019, the MGA Annual Conference was held at the first Thailand Space Week from 27th - 30th August, bringing over 600 participants. As a side event, the Cabinet Office of Japan and GISTDA organized a GNSS roundtable with Asia's space related government organizations, Japan-Thailand Special Sessions with the cooperation of JICA and a demonstration of 15 Japanese companies.

The MGA Annual Conference was postponed in 2020, and its online activities were strengthened to enhance engagement from the expanding community.

In March 2022, the MGA Annual Conference will be organized in a Hybrid format, physically in Thailand + Online.





# CAPACITY BUILDING

Regional Workshop

Webinar

Young Professional Forum

- RPD Challenge
- Ideation & Hackathon

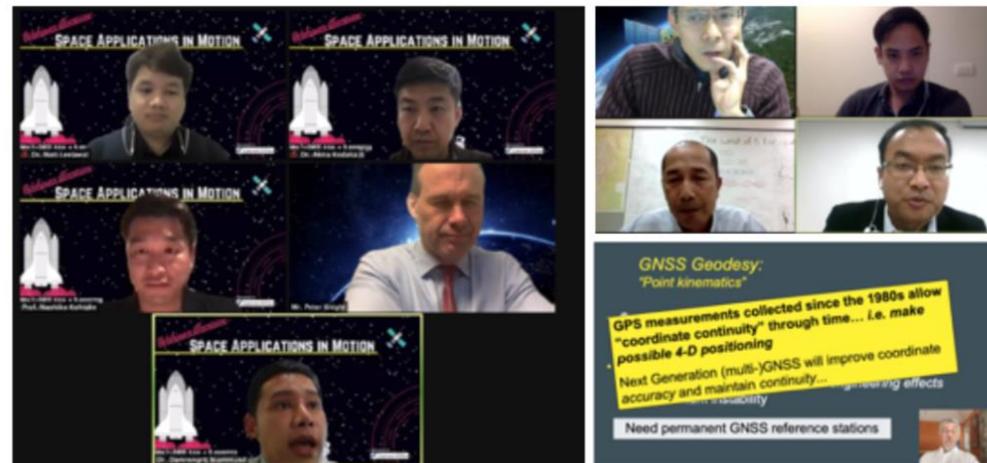
## Networking and Capacity Building via Webinars, Workshops and Forums

To make sure you're on top of rapidly changing technological developments in GNSS, PNT technologies and its utilization in the business landscape, MGA hosts webinars, regional workshops and networking forums. Allowing participants to network with the broader business, government and academic communities all the while building capacity for understanding the latest trends in GNSS.

In 2019, GNSS Signal Reception Measurements were conducted from a moving bus, which was then utilized for the application prototype development. Additionally, a Regional Symposium was organized, co-organized by the Singapore Land Authority (SLA) and Singapore Space & Technology (SSTL), and a low-cost receiver demonstration was carried out.

Online activities were enhanced in 2020, and Introductory courses on GNSS to Technical-level GNSS courses were organized to cover a range of participants.

In 2021, the online organization of capacity building activities are continued to be strengthened.





# INFRASTRUCTURE & KNOWLEDGE SHARING

Rental of receivers

Hardware/Software development  
support

## Infrastructure and Knowledge Sharing

To support individual experiments to evaluate the latest performance of GNSS constellations, receivers and applications, the MGA share GNSS station data as well as prototype receivers and evaluation softwares, and organize seminars for knowledge sharing.

The RPD challenge, organized under the Young Professionals and Students Forum was organized together with GISTDA in 2020. Online courses and demonstrations were organized, targeting GNSS beginners from Universities with Space related courses, other Asian Universities, Industry and Government participants. At the end of the course, a hands-on workshop was organized, and completion certificates were issued to participants. The best team will be presented the MGA award; may the best team win!

In 2021, we start the programme from October and expand the challenge to more regions.





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# RPD Challenge 2020 Award Winners

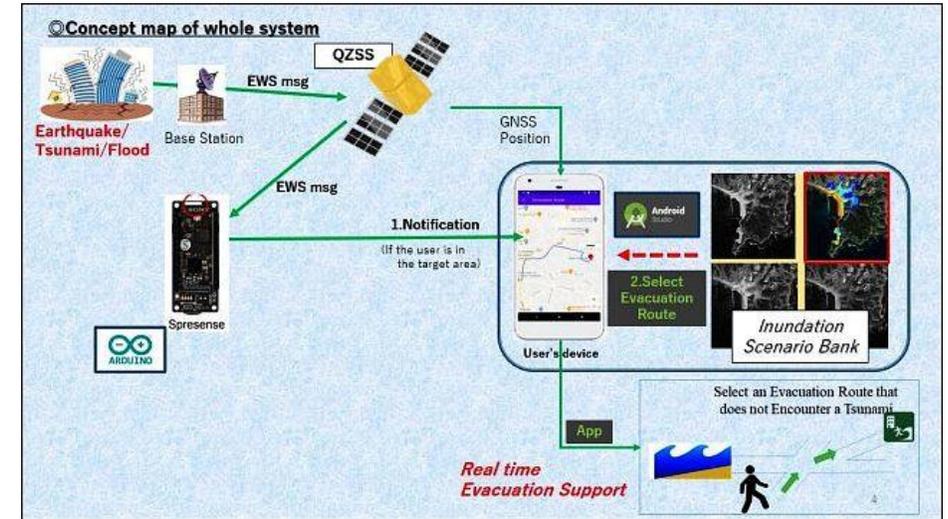
## A system for accurately understanding and transmitting flood information



## Detecting tsunamis with low-cost GNSS buoys



## Promptly providing safe evacuation routes



## Flood prediction with dynamic beacons

**floodmonitor smartphone application**

- My status** shows information about EWS area when inside.
- Prediction map** shows flood predictions using data from static and dynamic beacons.
- Water quality map** allows the user to see latest water quality data from each beacon.
- EWS notifications** are broadcast when inside EWS area (even when app is in the background).

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**MGA Regional  
Workshop**

**Students and  
Young  
Professionals  
Forum  
RPD Challenge**





# DISASTER WARNING WITH LOCATION SERVICE PROTOTYPE DAY



**2ND OCT. 2021 10:00-12:00 (ICT)  
@MGA + GISTDA FACEBOOK LIVE**



**STAY TUNED**

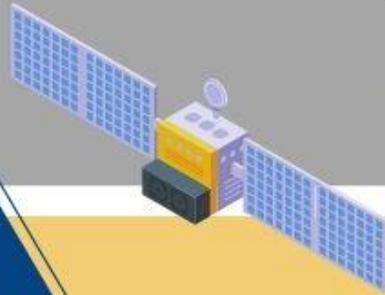




» NEXT »

# MULT-GNSS ASIA ANNUAL CONFERENCE

SCHEDULED BETWEEN  
MARCH 2022  
@THAILAND + HYBRID



STAY TUNED

