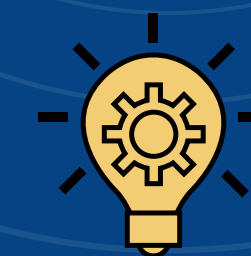


AUGUST-DECEMBER 2020

# RPD CHALLENGE

-A Multi-GNSS Asia Programme-

***SOLUTION FOR DISASTER MANAGEMENT :  
TSUNAMI / FLOODING***



Co-organised by



Cabinet Office



AIS

CSIS



慶應義塾  
Keio University

SONY





# ONLINE WORKSHOP GUIDELINE AND CO-PRINCIPLES

Internet  
Connection

In each workshop, we are going to start the programme on time and please join our connection test with the following zoom link from 13:00-14:00 (Thai local time).

Meeting Link

Online workshop will be organized using the following zoom link:  
<https://zoom.us/j/94965546630?pwd=MDdSeDIyQmN2TFJUmRFdTR1OE1MZz09>  
Meeting ID: 949 6554 6630  
Password: 610512

Group Work  
Application Link  
(\*Only in Step 1)

During the group workshop (only in Stel1), we are going to use the application "miro". You can access anytime so if you are not familiar with "miro", please practice using this application before the workshop.

Team No. 1-12 : [https://miro.com/app/board/o9J\\_ko2eOQ8=](https://miro.com/app/board/o9J_ko2eOQ8=/)  
Team No. 13-24: [https://miro.com/app/board/o9J\\_kj1TSIM=](https://miro.com/app/board/o9J_kj1TSIM=/)

Document Share

Presentation files and necessary documents to be reviewed are shared in the following site.  
<https://drive.google.com/drive/folders/1raL5ycVYqfNObvVHm7AtgCzmwVR6LvUl?usp=sharing>

Feedback Form

After each workshop, please fill in your question/evaluation in the following webform.  
<https://forms.gle/7u4dGVo3syeQpyMq9>

Homework

Please visit the following websites and learn the basics before online workshop.

**MGA youtube:** [https://www.youtube.com/channel/UCnRbp4WOfQIYf\\_vcBFD1CLw](https://www.youtube.com/channel/UCnRbp4WOfQIYf_vcBFD1CLw)

**Sony Spresense** and its set up with Arduino: <https://www.youtube.com/watch?v=GYBl8eo86uA>  
[https://www.youtube.com/watch?v=qd\\_34fov00k](https://www.youtube.com/watch?v=qd_34fov00k)

**GNSS Related** by Dr. Dinesh, The University of Tokyo Youtube:  
<https://www.youtube.com/channel/UCzulsh0nSMTnEQ4TjwMnRjQ/videos>  
Webinar, Sample Data etc: <https://home.csis.u-tokyo.ac.jp/~dinesh/WEBINAR.htm>

**Assignment sheet for preparing your participation in Step 2: Online Workshop on 18th and 19th October, please submit the sheet by 16th October 2020 by 15:00 (Thai Local Time).**





# ONLINE WORKSHOP GUIDELINE FOR USING "ZOOM"

① When not speaking, please set to mute.

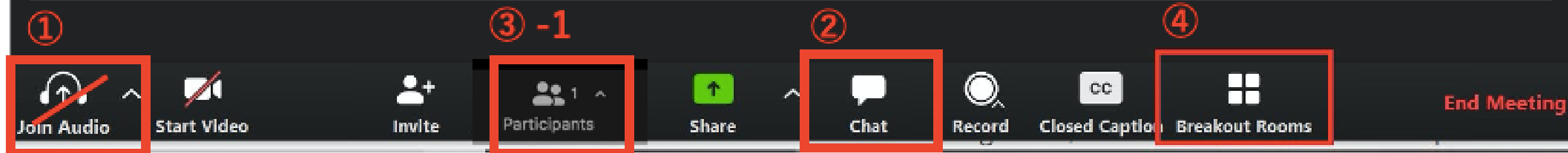
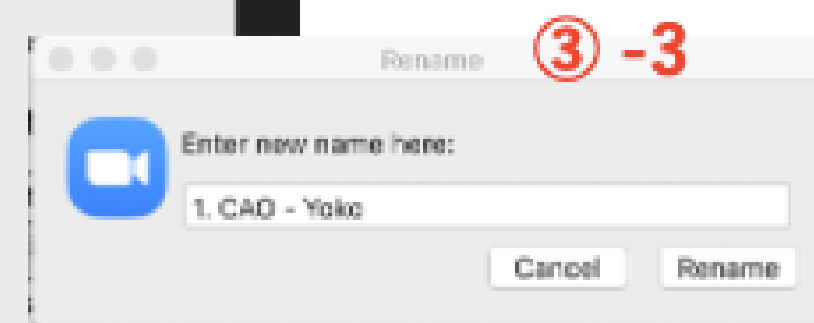
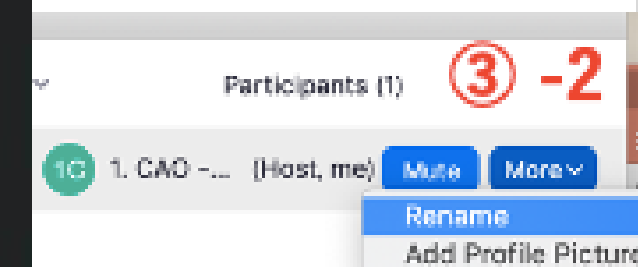
② For any questions during the workshop, please click "Chat" and send a message to us.

③ For the participant's name in the zoom, please put your team name.

To set up your name, please click "Participants" (③-1), then click "More" and "Rename" (③-2) and enter your name (③-3).

Participants	Team No. + Team Name + Your first name	ex) 1. CAO - Yoko
Facilitators	Facilitator + Your first name	ex) Facilitator - Yoko
Observers	Observer + Your first name	ex) Observer - Yoko
Speakers	Speaker + Your first name	ex) Speaker - Yoko

④ For those who have the latest version of zoom application, all the participants can visit each break out room to visit different team during the group work session. So we advice all to upgrade the zoom application for the latest version. If your zoom is not the latest, this icon will not appear and you may not be able to visit breakout rooms during the group work.



# STEP 2 PROGRAMME



THAI LOCAL TIME

OCT. 18TH  
14:00-15:20

**MC. Dr. Dinesh Manandhar, the University of Tokyo**

14:00-14:05

## Opening and Briefings

### Input Talks

**MC. Dr. Dinesh Manandhar**  
The University of Tokyo

Introduction to GNSS:  
sample data, software  
related with EWS & Low-  
Cost Receiver Systems

14:05-14:10

**Mr. Manabu Kimura**  
SONY

Introduction to SONY  
Spresense: set-up and  
related accessories

14:10-14:15

**Ms Sirikanya  
Jongjaroenpornchai**  
AIS

Introduction to AIS  
device& system: set-up &  
general information

14:15-14:20

**Prof. Keiko Shimazu**  
Advanced Institute  
of Industrial Technology

Introduction to QZSS EWS  
satellite signal broadcasts  
& EWS data format

14:20-14:25

14:25-14:55

## Interactive Discussion *\*Questions to facilitators to be collected in advance*

lead by Dr. Manandhar/UT | Mr. Matsuura & Mr. Iwasaki/SONY | Ms Jongjaroenpornchai/AIS | Prof. Shimazu/AIIT

14:55-15:00

## Break



15:00-15:15

## Group Work: Scenario Revision

15:15-15:20

## Wrap-up

**MGA RPD CHALLENGE 2020**

# STEP 2 PROGRAMME



THAI LOCAL TIME

**OCT. 19TH**  
**14:00-15:35**

**MC. Dr. Dinesh Manandhar, the University of Tokyo**

## Group Work

14:00-14:05

### Opening and Briefings

14:05-14:35

### Concept Design

*Facilitators to check whether teams have enough resources to implement the design  
e. g. HW, SW, accessories, sample data, data network, broadcasting test  
signals from ground or satellite etc*

14:35-14:55

### Prototyping Planning

*Define the goal & strategy:  
Limit the prototype to fulfill the minimum requirements for POC demo level*

14:55-15:00

### Break

15:00-15:30

### Presentation by each Team

15:30-15:35

### Wrap-up



# STEP2: EXPERTS & FACILITATORS

RPD CHALLENGE  
2020



**Prof. Dinesh Manandhar**  
The University of Tokyo



**Mr. Manabu Kimura**  
SONY



**Ms Sirikanya Jongjaroenpornchai**  
AIS



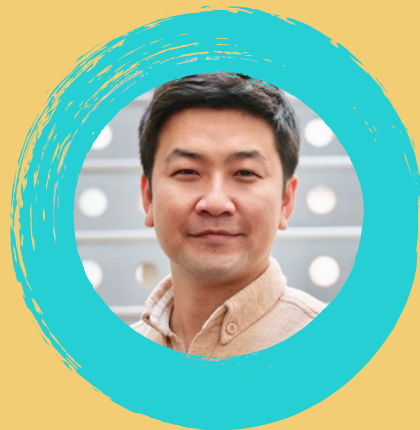
**Prof. Keiko Shimazu**  
Advanced Institute  
of Industrial Technology



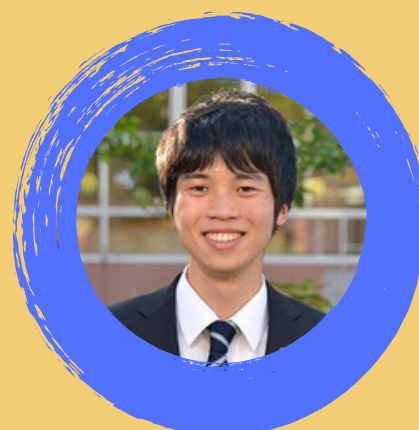
**Mr. Kentaro Matsuura**  
SONY



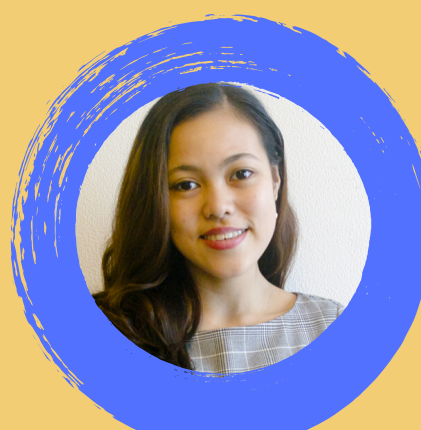
**Mr. Sagtoru Iwasaki**  
SONY



**Mr. Akira Kodaka**  
Keio University



**Mr. Yu Ohno**  
Keio University



**Ms Bernadette Detera**  
Keio University



**Mr. Thosawat Fukiatistut**  
GISTDA



**Prof. Chalermchon Satirapod**  
Chulalongkorn University



**Dr. Teetat Charoenkalunyuta**  
Chulalongkorn University



**Mr. Alongkot Pakat**  
GISTDA



**Prof. Nattawat Hongkarnjanakul**  
GISTDA



**Ms Sutinee Sibirunwong**  
GISTDA



**Mr. Akihiko Nishino**  
Keio University



**Mr. Satoshi Kogure**  
Cabinet Office



**Mr. Haruki Suzuki**  
Hosei University

-  *Satellite Technology*
-  *Device Technology*
-  *Communication Network*
-  *Solutions & Applications*
-  *Scenario Making*