



**APSIPA**  
**ASC-2021**  
Tokyo Japan

# **Instructions for Presenters & Chairs (Live-Session)**

As of December 10, 2021 (updated)

# Presentation & Discussion Flowchart (live)

Before session time (Tue, 14 Dec ~ (JST)) → **Online Platform (CMS)**

Viewing manuscript

During session time (Wed, 15 Dec to Fri, 17 Dec (JST)) → **ZOOM Meeting** *Flow of oral discussion time*

Live-presentation &  
Discussion on Zoom

(Online participants) Chat "I have a question" or "raise hand" on zoom  
(On-site participants) Use stand microphone in the room

Picked out by the chair

Oral discussion

After session time (End of Dec ~ Thu, 13 Jan (JST)) → **Online Platform (CMS)**

Recorded Session  
Video

Chat-based discussion  
(comment section)

After Fri, 17 Dec, it is possible to communicate at gather town until Tue, 21 Dec.  
Also, it is possible to use the chat in online platform until Thu, 13 Jan.

# Schedule Outline : from Preparation to Session day

Step	Period	Action	Detail
Preparation	In advance	Install Zoom & Check the basic flow of the session	Make sure that zoom is installed on your PC in advance. Check the function of the microphone and speaker. Please read carefully this instruction in advance for your smooth session operation.
Session day	5min prior to your session	Enter room & check presenters' attendance & members	<p>Please access zoom 10 minutes prior to your session starts. After you login, please change your zoom name as below, so that staff will know who is the chair easily. [For Presenters] "Presenter (presentation code)_Name " e.g.) Presenter(SS-IVM-1.1)_Yoshinobu Kajikawa [For Chairs] Chair(session number)_Name" e.g.) Chair(SS-IVM-1)_Yoshinobu Kajikawa</p> <p>[For Chairs]</p> <ol style="list-style-type: none"> <li>1) Please check whether your session's presenters are all attended, before your session starts. For the chairs at on-site venue, there is an attendance check sheet on the chair table, so please fill out the attendance of your session's presenter.</li> <li>2) If the presenter not showed up to the session, each session chairs can decide whether to proceed the session as originally scheduled or move up the next presenters in each situation.</li> </ol>
	On time	Start	<p>When it's time to start, chairs will turn on microphone/video and start the session (<b>Use a microphone in the podium, and NEVER unmute your PC microphone on Zoom.</b>). Below is the basic flow (Same as P2).</p> <p>Start your session. Below is the basic flow.</p> <ol style="list-style-type: none"> <li>① Chair : Greeting</li> <li>② Chair : Introduction of the 1st presenter</li> <li>③ Presenter : Presentation by sharing the presentation slides</li> <li>④ Live Discussion (Q&amp;A will be conducted by Oral Communication.)</li> </ol> <p>*Next presenters will continue as follows.</p> <p>[For Chairs] There is a time-keeping clock display on the Zoom screen to show the remaining whole session time. Please check the lecture time of each presenters in advance and manage the time.</p>
	End of your session	Finish	Finish

## For presenters : Preparation of Presentation slides

**Live Presentation  
(special sessions)**

**Talk Length**

Oral (Live)

20min (including 5min Q&A)

- We recommend to make your data with widescreen format, using the 16:9 aspect ratio to utilize the full screen
- No restriction on the number of slides, as far as you keep the length specified above.
- Show presentation title, your affiliation and name on the first slide.
- Use standard font which is originally installed by OS in order to avoid garbled characters.

## **For Online Presenters/Chairs**

## Zoom Preparation – before the session day

We are going to use Zoom Meeting for during session time.

This support document provides step-by-step instructions for presenters and chairs on how to use Zoom.

Please read this carefully in advance and be prepared.

1. Please make sure of your internet connection environment first.  
We recommend using a wired LAN.
2. Find a quiet place as much as possible.
3. Make sure your PC has a camera, speaker and microphone.
4. Use earphones with microphones or headset microphones.
5. Close all unnecessary applications before joining.

## Preparation#1 Install Zoom

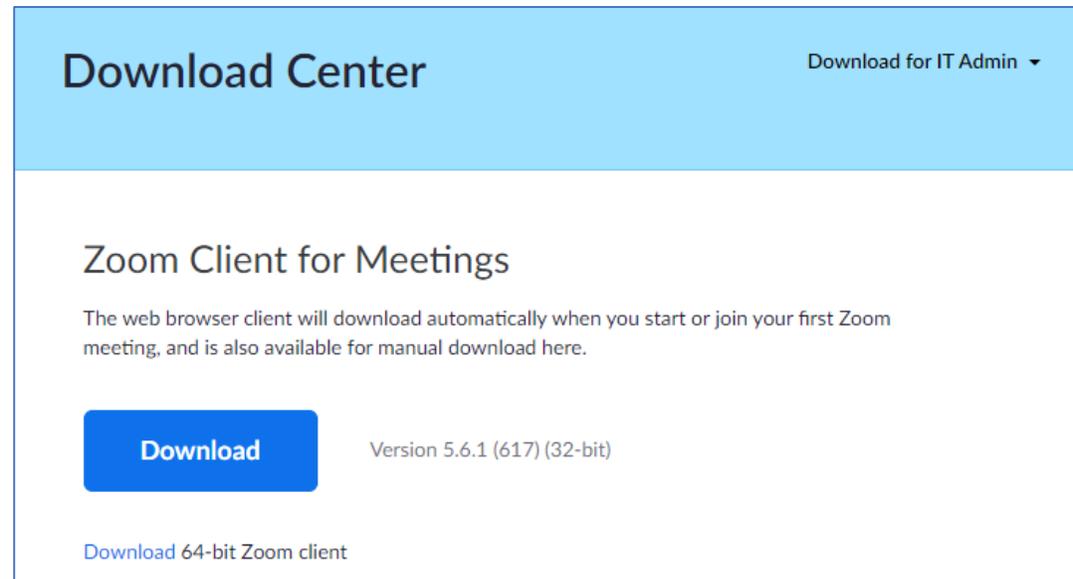
If this is first time for you to use Zoom, please install Zoom in your PC.

Go [https://zoom.us/download#client\\_4meeting](https://zoom.us/download#client_4meeting)

Click “Download”.

Zoom will be automatically operated from the next log-in time.

Note: Please avoid using smart devise when you make presentation.

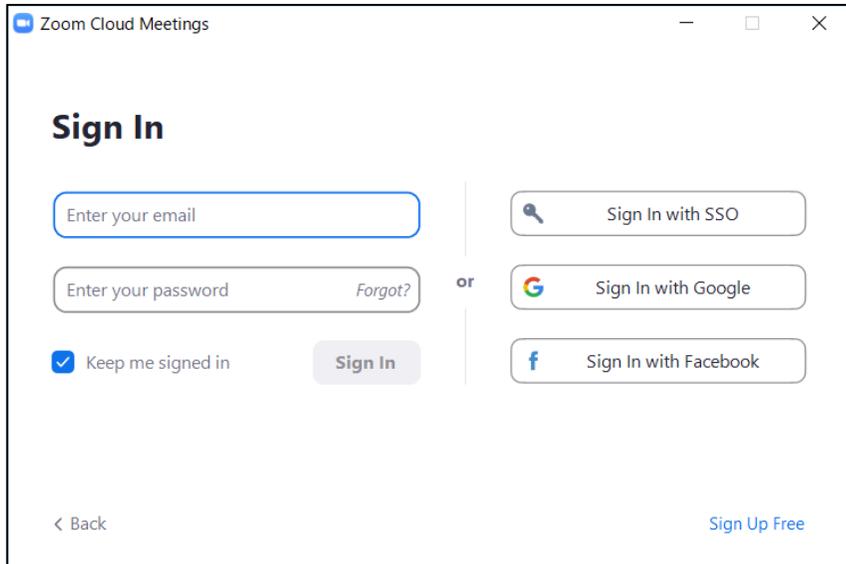


The screenshot shows the Zoom Download Center interface. At the top, there is a light blue header with the text "Download Center" on the left and "Download for IT Admin" with a dropdown arrow on the right. Below the header, the main content area is white. It features the heading "Zoom Client for Meetings" followed by a paragraph: "The web browser client will download automatically when you start or join your first Zoom meeting, and is also available for manual download here." Below this text is a prominent blue button labeled "Download". To the right of the button, the text "Version 5.6.1 (617) (32-bit)" is displayed. At the bottom left of the content area, there is a link that says "Download 64-bit Zoom client".

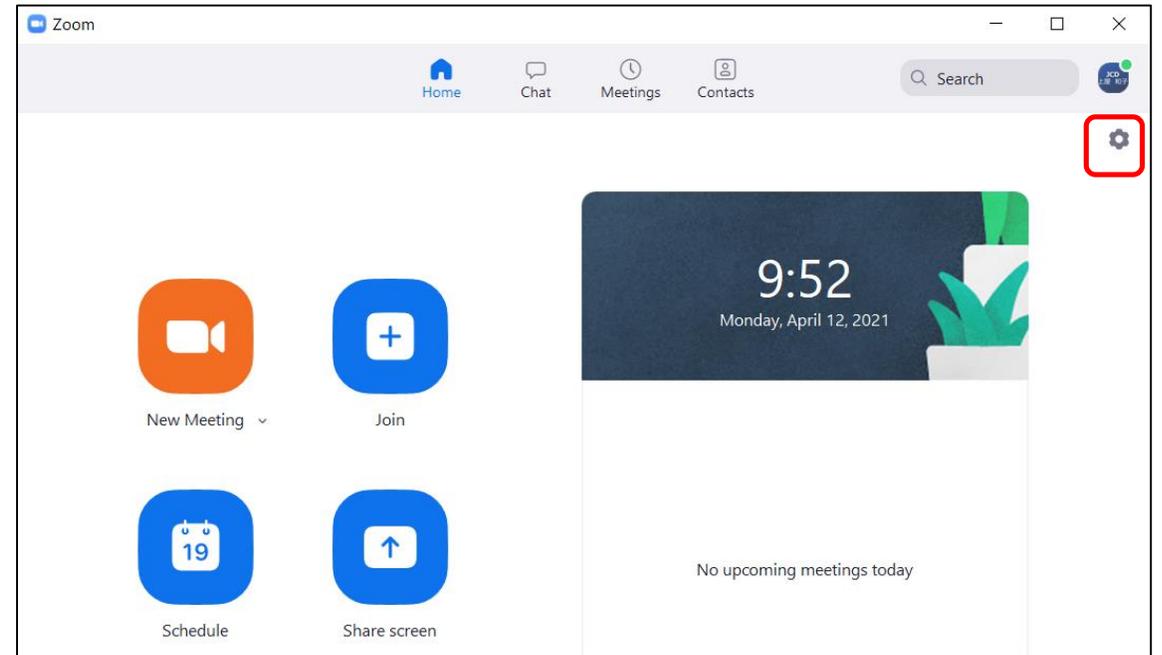
# Preparation#2 Zoom Setting 1

Please sign in Zoom in advance and make necessary setting.

1) Sign in Zoom.

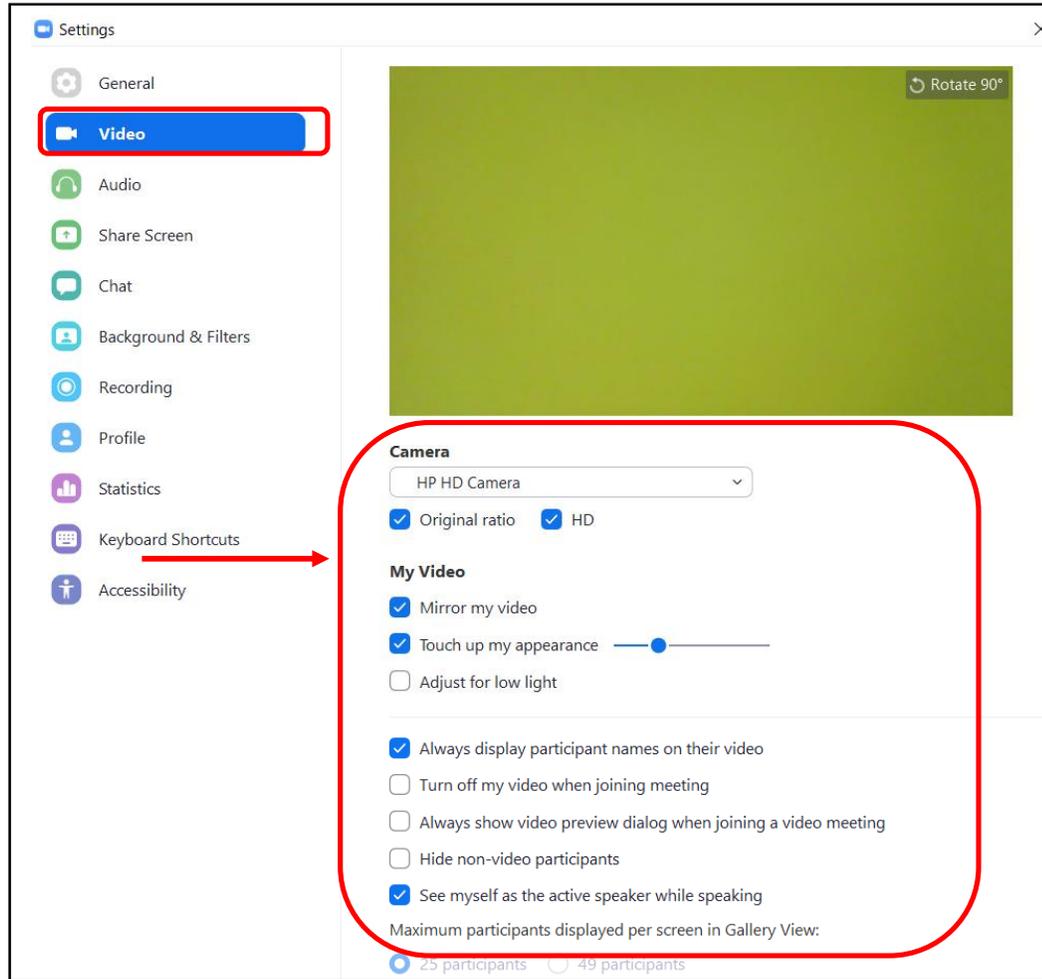


2) Click Setting where shown below at the right-side upper corner.



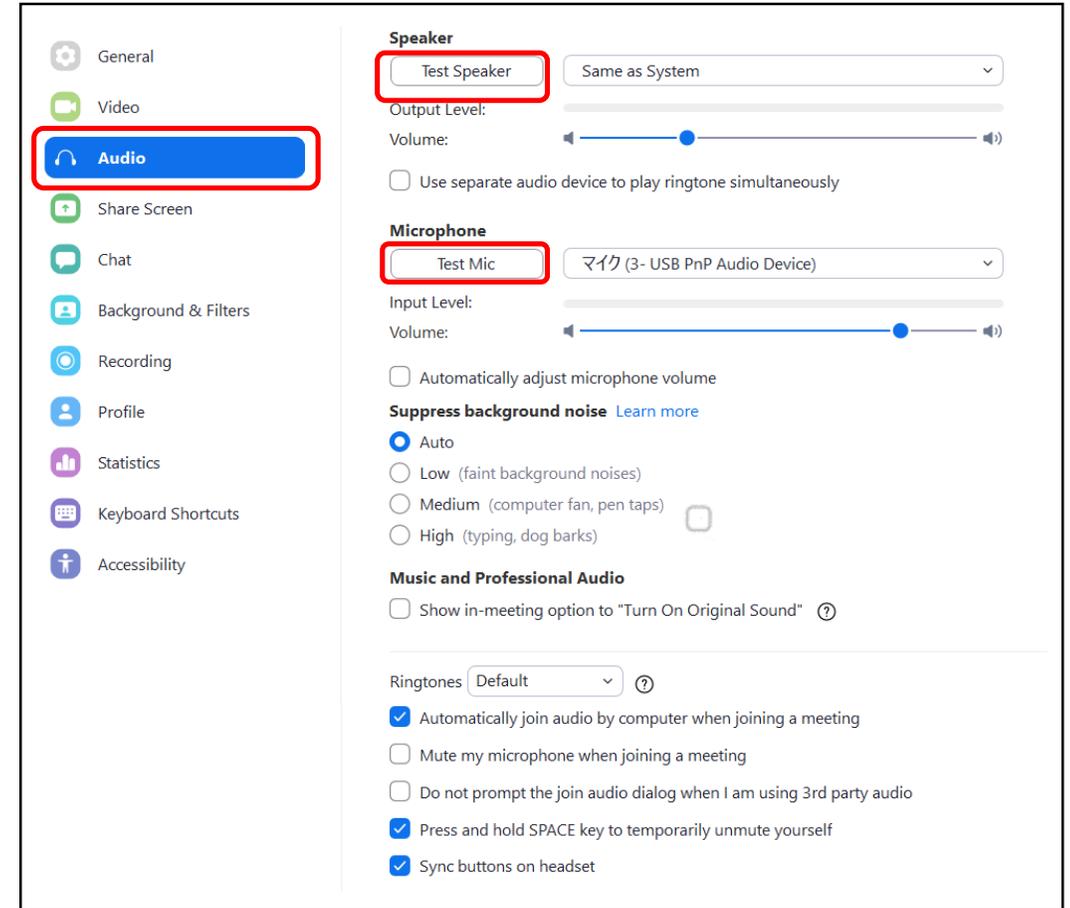
## Preparation#3 Zoom Setting 2

3) Click "Video", then check the details as below.



4) Click "Audio" and test your speaker and microphone.

Check the details as below.



**NOTE: Please set the "Display resolution" of the PC to "Full HD (1920 x 1080)".**

# Preparation#4 Access to Online Platform in advance (from December 14, 9:00(JST)/0:00(GMT))

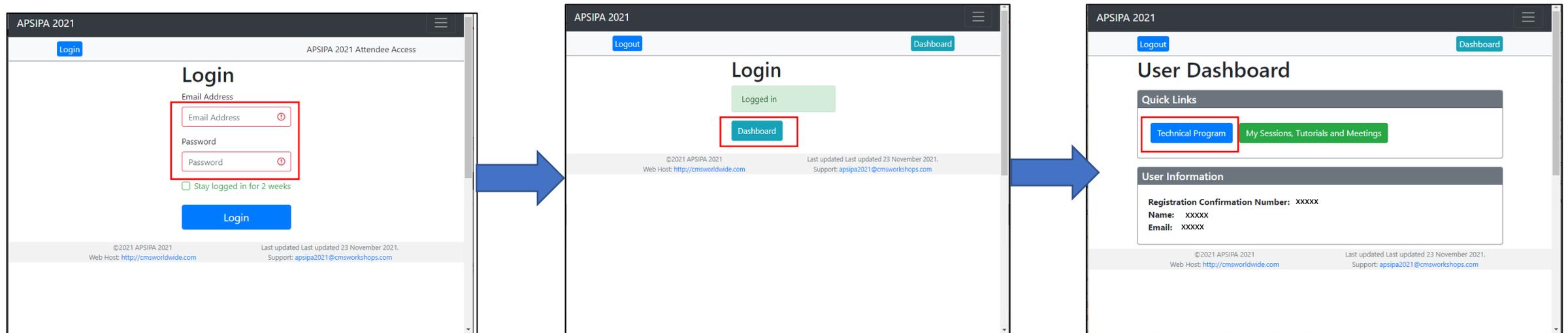
↑ Updated  
(time added)

## 1. Login to the platform

1.1- The login email address and password are available from the email form [apsipa2021@cmsworkshops.com](mailto:apsipa2021@cmsworkshops.com). Login with registered email address and password written in the email. (Note: The login ID/PW is different from your paper ID/PW)

Online Platform Login Page: <https://cmsworkshops.com/APSIPA2021/login.php>

1.2- After you login, please click “dashboard” in the next screen, and choose “Technical program” to see the whole program.



## 2. How to see program

On the top page, there is a program at a glance for whole session.

Please click the session you will present/chair.

The link to join the live session will be active at a later date on timetable and each session page.

The image shows a conference program interface. On the left is a 'Program at a glance page' for Wednesday, December 15, listing various sessions and breaks with their respective times and time zones. A red box highlights the 'Live Session A (Hall)' entry for 'SS-IVM-4: Advanced Topics in Low Precision Image Processing', which begins in 15D 21h. A red arrow points from this entry to a larger 'Session page' on the right. The session page displays the title 'SS-IVM-4: Advanced Topics in Low Precision Image Processing', the track 'Image, Video, and Multimedia (IVM)', and a list of sessions. A red box highlights the 'Begins in 15 days and 21 hours' status, and another red arrow points from this box to a text overlay. The text overlay contains instructions on when the 'Join Upcoming Session' button will be active and when to click it.

**Program at a glance page**

**Session page**

Technical Program / Session SS-IVM-4

**SS-IVM-4: Advanced Topics in Low Precision Image Processing**

Track: Image, Video, and Multimedia (IVM)

Begins in 15 days and 21 hours

Wed, 15 Dec, 11:20 - 13:20 Japan Standard Time (UTC +9)

Wed, 15 Dec, 02:20 - 04:20 Coordinated Universal Time

Live session (zoom) link will be active at a later date.

20minutes before the session start: [Join Upcoming Session](#)

During session: [Join Session in Progress](#)

Please click the button above to join the meeting.

**SS-IVM-4.3: MULTI-RESIDUAL FEATURE FUSION NETWORK FOR LIGHTWEIGHT SINGLE IMAGE SUPER-RESOLUTION**  
Jiayi Qin, Zheng He, Binyu Yan, Xiaomin Yang, Sichuan University, China

**SS-IVM-4.4: AUTOMOTIVE ENGINE CYLINDER HEAD CRACK DETECTION: CANNY EDGE DETECTION WITH MORPHOLOGICAL DILATION**  
Michael Abebe Berwo, Yong Fang, Jabar Mahmood, Chang'an University, China; Ephrem Afele Retta, Northwest University, China

**SS-IVM-4.5: ACCELERATION OF PDS-BASED HIGH-DIMENSIONAL SIGNAL RESTORATION**  
Gai YAMAMOTO, Yuya KODAMA, Shogo MURAMATSU, Samuel CHOI, Niigata University, Japan; Gwanggil JEON, Incheon National University, Japan

**SS-IVM-4.6: PRODUCT QUANTIZATION TO REDUCE ENTROPY OF LABELS FOR FAST AND ACCURATE IMAGE RETRIEVAL**  
Eiwa Nakamura, Ryoosuke Harakawa, Masahiro Iwabashi, Nagaoka University of Technology, Japan

If you click presentation title in the program and go to each presentation page, you can send chat message at the Discussion window.

APSIPA 2021 Authors Program Presentation Instructions Logout Dashboard

Technical Program / Session SS-IVM-4 / Paper SS-IVM-4.1

### SS-IVM-4.1

## An Efficient Image Processing and Machine Learning based Technique for Skin Lesion Segmentation and Classification

Izbaila Imtiaz, Imran Ahmed, Institute of Management Sciences, Pakistan; Gwanggil Jeon, Incheon National University, Korea, Republic of; Shogo Muramatsu, Niigata University, Japan

**Session:**  
Advanced Topics in Low Precision Image Processing

**Session Time:**  
Wed, 15 Dec, 11:20 - 13:20 Japan Standard Time (UTC +9)  
Wed, 15 Dec, 02:20 - 04:20 Coordinated Universal Time  
Tue, 14 Dec, 21:20 - 23:20 Eastern Standard Time (UTC -5)  
Tue, 14 Dec, 18:20 - 20:20 Pacific Standard Time (UTC -8)

### Presentation

No presentation video provided.

Begins in 15 days and 21 hours

### Discussion

Be the first to comment on this paper!

Write your question or comment:

Participants are expected to follow the [IEEE Code of Conduct](#).

Post Comment

### Resources

No resources available.

### Session SS-IVM-4

**WE1.LS-A.1: An Efficient Image Processing and Machine Learning based Technique for Skin Lesion Segmentation and Classification**  
Izbaila Imtiaz, Imran Ahmed, Institute of Management Sciences, Pakistan; Gwanggil Jeon, Incheon National University, Korea, Republic of; Shogo Muramatsu, Niigata University, Japan

**WE1.LS-A.2: DISTRIBUTED ARITHMETIC CODING FOR SOURCES WITH HIDDEN MARKOV CORRELATION**  
Yan Zhang, Nan Yang, Yong Fang, Chang'an University, China

**WE1.LS-A.3: MULTI-RESIDUAL FEATURE FUSION NETWORK FOR LIGHTWEIGHT SINGLE IMAGE SUPER-RESOLUTION**  
Jiayi Qin, Zheng He, Binyu Yan, Xiaomin Yang, Sichuan University, China

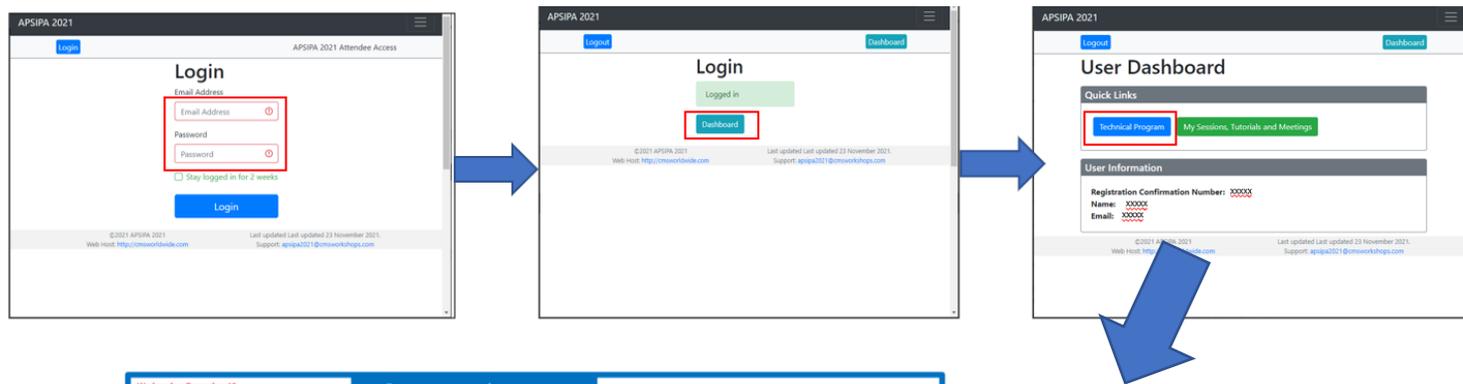
**WE1.LS-A.4: AUTOMOTIVE ENGINE CYLINDER HEAD CRACK DETECTION: CANNY EDGE DETECTION WITH MORPHOLOGICAL DILATION**  
Michael Abebe Berwo, Yong Fang, Jabar Mahmood, Chang'an University, China; Ephrem Afele Retta, Northwest University, China

**WE1.LS-A.5: ACCELERATION OF PDS-BASED HIGH-DIMENSIONAL SIGNAL RESTORATION**  
Gai YAMAMOTO, Yuya KODAMA, Shogo MURAMATSU, Samuel CHOI, Niigata University, Japan; Gwanggil JEON, Incheon National University, Japan

**WE1.LS-A.6: PRODUCT QUANTIZATION TO REDUCE ENTROPY OF LABELS FOR FAST AND ACCURATE IMAGE RETRIEVAL**  
Fuga Nakamura, Ryosuke Harakawa, Masahiro Iwahashi, Nagaoka University of Technology, Japan

# Session Day #1 Enter the meeting room (10 min prior to the session)

1. Go to the following URL (to be linked to online platform), and login with your email address and password.
2. After you login, please select the session that you will present. Once you moved to the session, please click zoom link for the live session, and launch zoom meeting.



Wednesday, December 15

Program at a glance page

Session page

Technical Program / Session SS-IVM-4

SS-IVM-4: Advanced Topics in Low Precision Image Processing

Begin in 15 days and 21 hours

Wed, 15 Dec, 11:20 - 13:20 Japan Standard Time (JST + 9)

Wed, 15 Dec, 02:20 - 04:20 Coordinated Universal Time

Live session (zoom) link will be active at a later date.

20minutes before the session start: During session: Please click the button above to join the meeting.

Join Upcoming Session

SS-IVM-4.3: MULTI-RESIDUAL FEATURE FUSION NETWORK FOR LIGHTWEIGHT SINGLE IMAGE SUPER-RESOLUTION

SS-IVM-4.4: AUTOMOTIVE ENGINE CYLINDER HEAD CRACK DETECTION: CANNY EDGE DETECTION WITH MORPHOLOGICAL DILATION

SS-IVM-4.5: ACCELERATION OF PDS-BASED HIGH-DIMENSIONAL SIGNAL RESTORATION

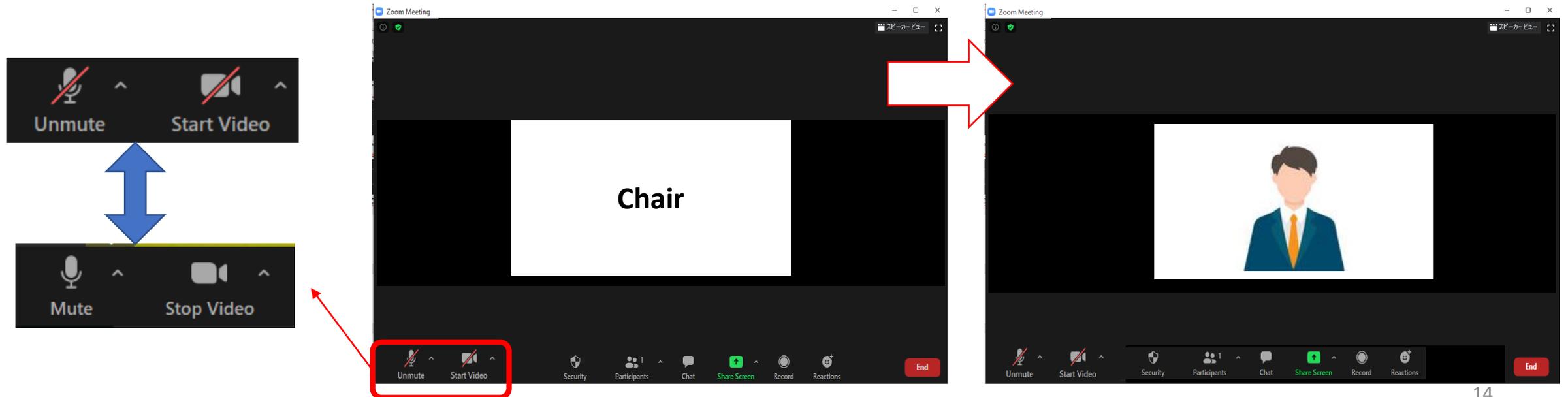
SS-IVM-4.6: PRODUCT QUANTIZATION TO REDUCE ENTROPY OF LABELS FOR FAST AND ACCURATE IMAGE RETRIEVAL

## Session Day #2 Set your microphone, video, and change your screen name

Please turn the microphone and video on and off by yourself.

When you login, please change your zoom name as below:

“Presenter (presentation code)\_Name ” e.g.) Presenter(SS-IVM-1.1)\_Yoshinobu Kajikawa



## Session Day#3 Basic flow of the session

- ① Chair : Greeting
- ② Chair : Introduction of the presenter
- ③ Presenter : Presentation by sharing the presentation slides
- ④ Live Discussion  
Q&A will be conducted by oral communication.
- ⑤ Chair : Closing remarks

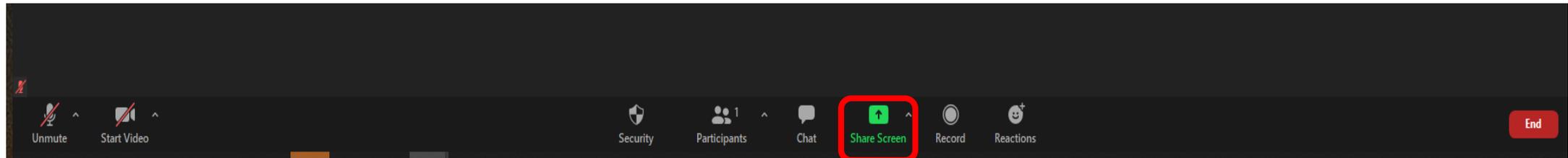
✘Chair and Presenter need to set microphone “OFF”, when he/she is not talking.

✘For Chairs: Please make sure to check the attendance of your session during break time.

If a presenter does not show up to the session, please proceed the session as originally scheduled or move up the next presenters.

## Session Day#4 For presenters : How to Share Presentation Slide

1. Please click “Share Screen” button.



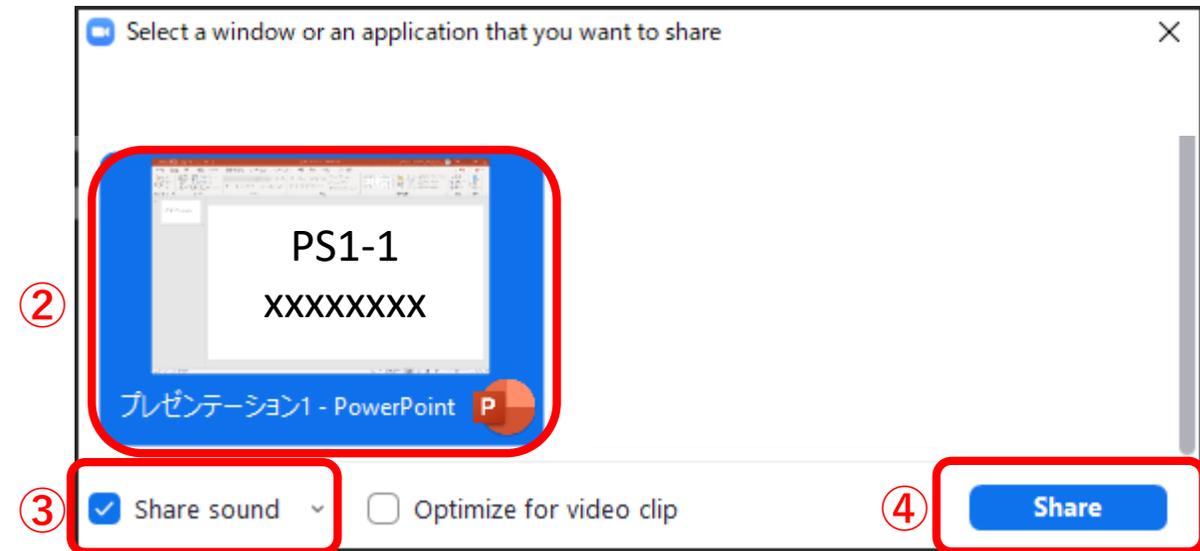
①

2. Choose the **PowerPoint (or application) file** you would like to share.

(\*Please note that if you choose screen, your desktop screen will be shared.)

3. Check the **“Share sound”** checkbox if needed.

4. Click the **“Share”** button.



②

③

④

## Session Day#5 Discussion on Zoom (during the session)

The attendees who would like to make question,

- For on-site attendees: use Q&A microphone at the venue
- For online attendees: there is a way to use “chat” or “raise hand” function.

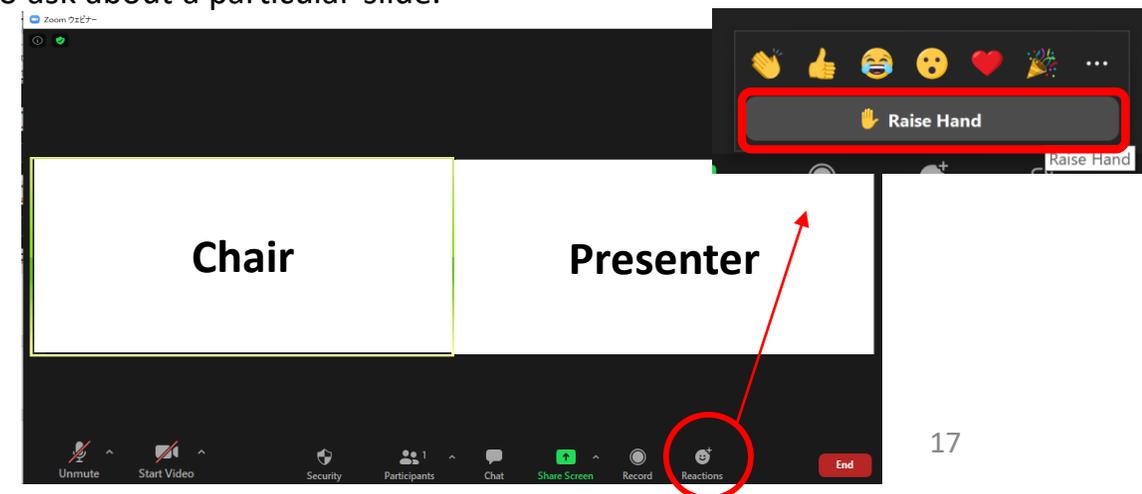
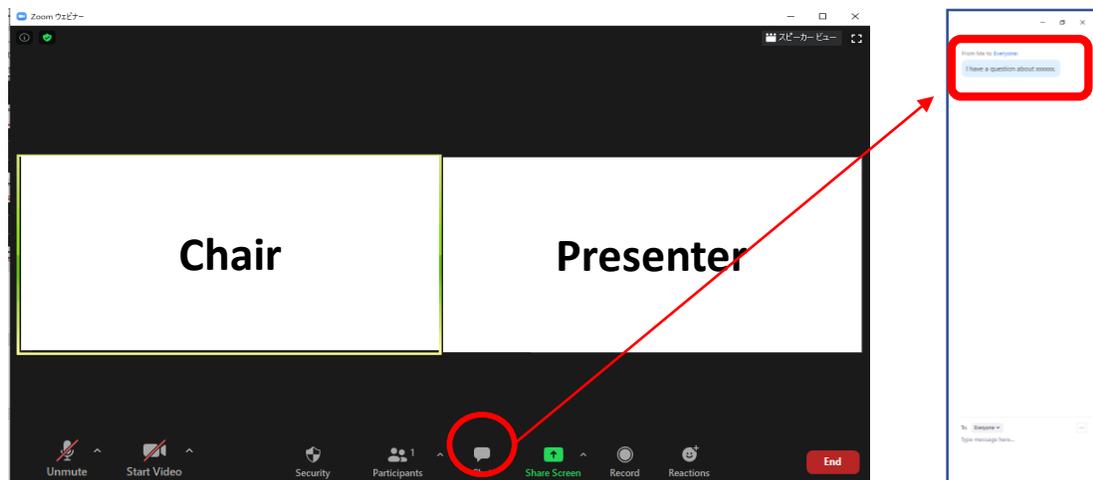
For chairs, please announce attendees how to proceed the discussion when the discussion time starts. Since “raise hand” function cannot check the order, if you wish to keep the order, please use “chat” functions.

While discussion, chair need to check the “Chat” at the bottom of window or “attendee list” to check if there’s anyone “raise hand”. The chair should pick the attendee’s name and allow him/her to talk. Then, the attendee will unmute the microphone, and make questions to the presenter. The content of chat can be viewed by all participants.

e.g.: [chair] We have a question from Dr. A about \*\*\*, Dr. Smith, ...

[presenter] About \*\*\*, ...

\*For presenters: Please prepare the presentation slide, in case the attendee wants to ask about a particular slide.



# Remarkable points

## IMPORTANT NOTICE

All oral presentations and discussion periods at the APSIPA ASC 2021 conference will be recorded by the host.

APSIPA ASC 2021 will make the recordings available to conference attendees for a limited period of time.

This will allow attendees in different time zones to watch your presentation at a convenient time.

Your kind understanding is much appreciated. Details of the recording and on-demand delivery will be announced later.

### ① Microphone ON / OFF

The chair and presenter will put the microphone ON/OFF by themselves, but depends on the situation, operator may forcibly switch the microphone.

### ② Presentation time keep

Presenters should keep their presentation time. There is a time-keeping clock display on the Zoom screen to show the remaining time of your session in total, so please check the clock to manage the session.

### ③ In case of network trouble of chairs/presenters

**Chair** : Please contact the support staff. The staff will check with the organizer and act on your behalf.

**Presenter** : If the problem does not improve after waiting for a while, please switch to the next presenter.

**For On-site Presenters**

## Session Day#1 Before the session (10 minutes in advance)

Please bring your presentation data on a USB storage device (type A) and upload it to the PC on the podium, 10 minutes before your session starts.

The session rooms contain the following items for presentations:

LCD projector

A Podium with microphone

A Windows PC for the speakers

PC spec in the each session room for presentation:

OS: Windows 10、 RAM16GB、 Core i7、 HDD1TB

Applications: Microsoft office home and business2019

### Notes

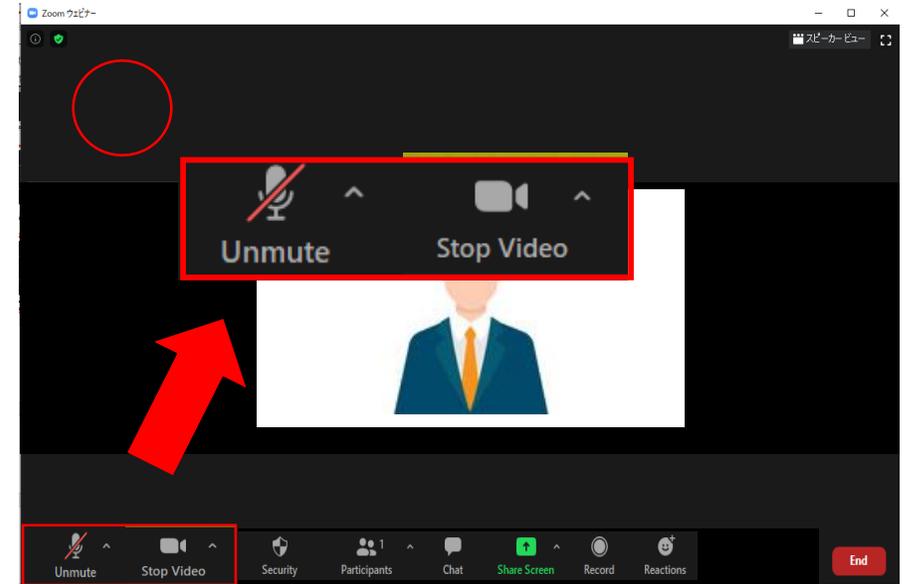
If you have movies or need to make presentation with Mac OS, please bring your own PC with your AC adapters and cables, which can be connect to wired LAN at the venue.

Please check “notes for presenting with your own PC” on P23.

## Session Day#2 Basic flow of the session

The basic flow of the session is below:

- ① Chair : Greeting
- ② Chair : Introduction of the presenter
- ③ Presenter : Presentation by sharing the presentation slides
- ④ Live Discussion  
Q&A will be conducted by oral communication.
- ⑤ Chair : Closing remarks



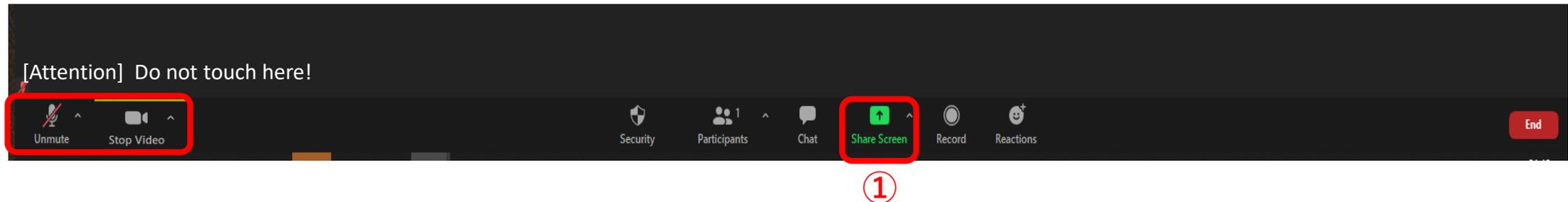
When you introduced by chair, please go to the podium and open your presentation data in the PC. After you opened the file, please start presentation by sharing screen via zoom.

[Important]

Use a microphone in the podium, and NEVER unmute your PC microphone on Zoom.

## Session Day#3 How to Share Presentation Slide

1. Please click “Share Screen” button.

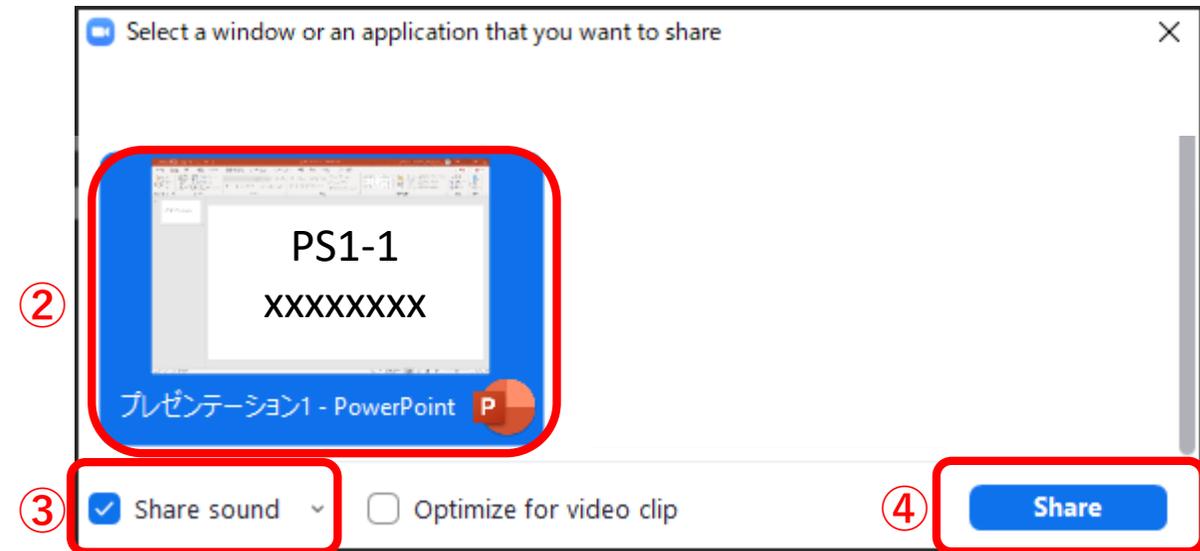


2. Choose the **PowerPoint (or application) file** you would like to share.

(\*Please note that if you choose screen, your desktop screen will be shared.)

3. Check the **“Share sound”** checkbox if needed.

4. Click the **“Share”** button.



## # Notes for presenting with your own PC (before session)

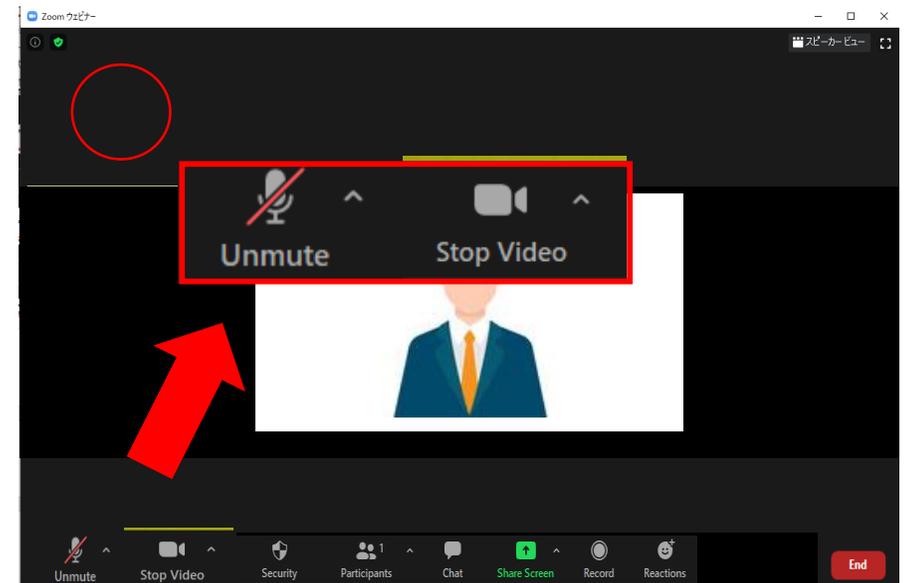
1. Please save all of your presentation data on your desktop in advance.  
Save all data linked to your presentation data in the same folder on your desktop.
2. Turn off any sleep functions and screen savers.
3. For stable internet connection, your PC need to be connected to Wired LAN. Please bring AC adapters and cables which can be connect to wired LAN at the venue.
4. Please bring back up data to the conference site.
5. To avoid the possible spread of computer viruses, always scan your presentation files beforehand with updated anti-virus software.
6. Please access to the zoom session in advance 5 minutes before your session starts.  
(Check P6-11: how to access your zoom session)

## # Notes for presenting with your own PC (during session)

1. When you introduced by chair, please bring your own PC to the podium and connect wired LAN.
2. After you connect to the wired LAN, please start presentation by sharing screen via zoom.

[Important]

Use a microphone in the podium,  
and NEVER unmute your PC microphone on Zoom.



**For On-site Chairs**

## Session Day#1 Before the session (10 minutes in advance)

1. You are kindly requested to be seated at the Next chairperson's seat located in each session room at least 10 minutes prior to your session start.
2. Please make sure to bring your own PC with a camera, an AC adapter, and a wired LAN adapter.  
(\*For stable internet connection, your PC need to be connected to Wired LAN.)
3. To avoid the possible spread of computer viruses, always scan your presentation files beforehand with updated anti-virus software.
4. Please access to the zoom session in advance 5 minutes before your session starts.  
(Check P6-11: how to access your zoom session)
5. There is a list of authors at your session at the chair desk. Please make sure to check the attendance of your session during break time.

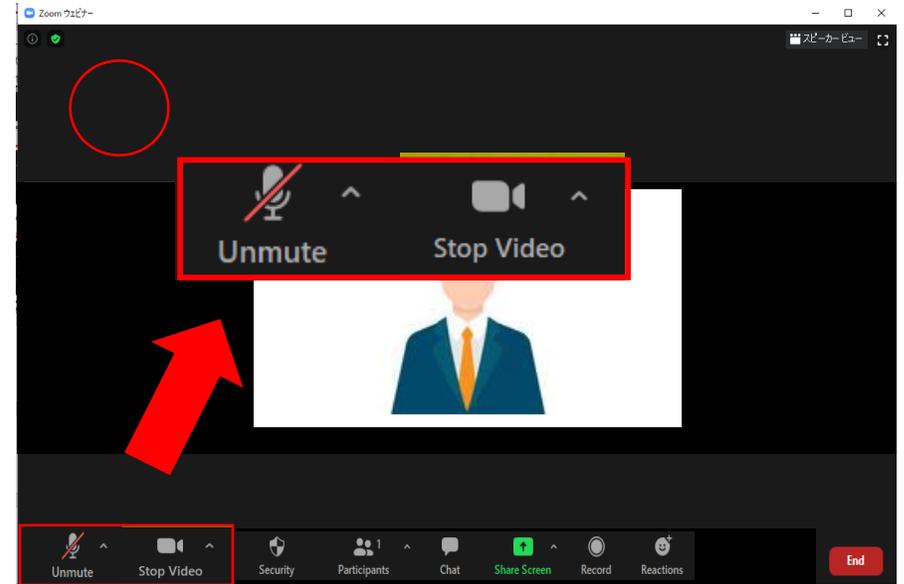
## Session Day#2 Basic flow of the session

The basic flow of the session is below:

- ① Chair : Greeting
- ② Chair : Introduction of the presenter
- ③ Presenter : Presentation by sharing the presentation slides
- ④ Live Discussion  
Q&A will be conducted by oral communication.  
(Support staff will assist the chairs.)
- ⑤ Chair : Closing remarks

When the session start, please turn on your camera on zoom.

**Use a microphone in the podium, and NEVER unmute your PC microphone on Zoom.**



## Session Day#3 Discussion on Zoom (during the session)

The attendees who would like to make question,

- For on-site attendees: use Q&A microphone at the venue
- For online attendees: there is a way to use “chat” or “raise hand” function.

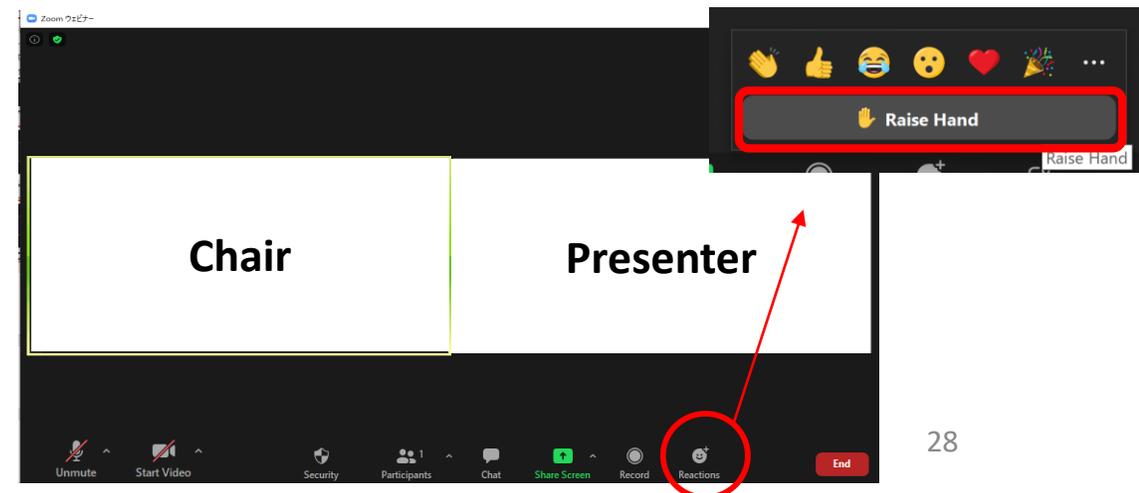
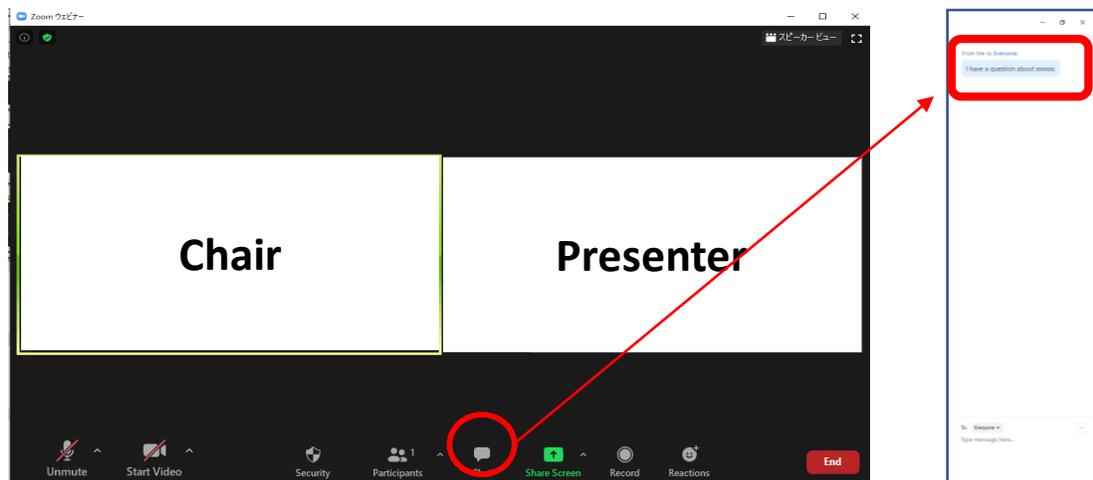
For chairs, please announce attendees how to proceed the discussion when the discussion time starts.

While discussion, chair need to check the “Chat” at the bottom of window or “attendee list” to check if there’s anyone “raise hand”. The chair should pick the attendee’s name and allow him/her to talk. Then, the attendee will unmute the microphone, and make questions to the presenter. The content of chat can be viewed by all participants.

e.g.: [chair] We have a question from Dr. A about \*\*\*, Dr. Smith, ...

[presenter] About \*\*\*, ...

\*For presenters: Please prepare the presentation slide, in case the attendee wants to ask about a particular slide.



# Remarkable points

## IMPORTANT NOTICE

All oral presentations and discussion periods at the APSIPA ASC 2021 conference will be recorded by the host.

APSIPA ASC 2021 will make the recordings available to conference attendees for a limited period of time.

This will allow attendees in different time zones to watch your presentation at a convenient time.

Your kind understanding is much appreciated. Details of the recording and on-demand delivery will be announced later.

### ① Microphone ON / OFF

For onsite presenters/chairs, Use a microphone in the podium, and NEVER unmute your PC microphone on Zoom.

### ② Presentation time keep

Presenters should keep their presentation time. There is a time-keeping clock display on the Zoom screen to show the remaining time of your session in total, so please check the clock to manage the session.

## Contact information

APSIPA ASC 2021 Secretariat

Secretariat: [apsipa\\_asc2021@jtbc.com.co.jp](mailto:apsipa_asc2021@jtbc.com.co.jp)

Online platform support office: [apsipa2021@cmsworkshops.com](mailto:apsipa2021@cmsworkshops.com)