



**APSIPA
ASC-2021
Tokyo Japan**

Participants Guide

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General Information

1. Platforms for each Programs and Events

Programs can be accessed from the online platform* and on-demand A&B discussion will be on Gather.Town.

Program	Platform	Guide
Tutorial	Zoom meeting	Pg. 5-9
Opening and Closing Ceremonies, General Assembly	Zoom meeting	Pg. 5-9
Keynote Industrial forum Special Session (Live Session A~D)	Zoom meeting	Pg. 5-9
On-demand A&B	Online Platform (video) & Gather.Town (discussion)	Pg. 11-15
Overview Session (On-demand C)	Online Platform	Pg. 11-12

*NOTE: The login email address and password are available from the email form apsipa2021@cmsworkshops.com.

Login with registered email address and password written in the email.

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

*If you have not registered yet, please access <https://www.apsipa2021.org/registration.html> and to complete the registration & make payment first.

Preparation: Environment

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

Preparation: Install Zoom

We are going to use Zoom for during session time.

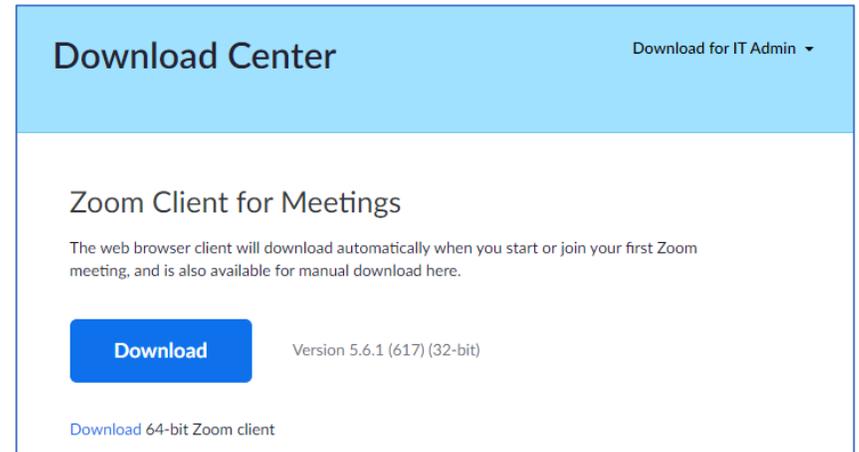
If this is first time for you to use Zoom, please install Zoom in your PC.

Go 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.



Preparation: Connection check for Gather.Town

You can check access to Gather.Town in advance.

Gather town URL: <https://gather.town/app/82GSTAOGmb3bWRjw/APSIPA2021>

For the detail, please check P13-15.

How to access Online Platform

1. The login email address and password are available from the email form apsipa2021@cmsworkshops.com. Login with registered email address and password written in the email.

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

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

APSIPA 2021

APSIPA 2021 Attendee Access

Login

Email Address

Password

Stay logged in for 2 weeks

Login

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Web Host: <http://cmsworldwide.com>

Last updated Last updated 23 November 2021.
Support: apsipa2021@cmsworkshops.com



APSIPA 2021

Logout Dashboard

Login

Logged in

Dashboard

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Logout Dashboard

User Dashboard

Quick Links

Technical Program My Sessions, Tutorials and Meetings

User Information

Registration Confirmation Number: XXXXX
Name: XXXXX
Email: XXXXX

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Web Host: <http://cmsworldwide.com>

Last updated Last updated 23 November 2021.
Support: apsipa2021@cmsworkshops.com

How to see program and join live session

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

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

The image shows two overlapping screenshots from a conference website. The left screenshot, titled "Program at a glance page", displays a timetable for Wednesday, December 15. It lists various sessions with their start times in different 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 at 15D 21h. A red arrow points from this box to the right screenshot. The right screenshot, titled "Session page", shows the details for "SS-IVM-4: Advanced Topics in Low Precision Image Processing". It includes a "Logout" button, a breadcrumb "Technical Program / Session SS-IVM-4", and a track description "Track: Image, Video, and Multimedia (IVM)". A red box highlights the text "Begins in 15 days and 21 hours". Below this, there are two buttons: "Join Upcoming Session" (highlighted in green) and "Join Session in Progress". A red arrow points from the "Join Upcoming Session" button to the text "Live session (zoom) link will be active at a later date." in a white text box. Another red arrow points from the "Join Session in Progress" button to the text "20minutes before the session start:". A third red arrow points from the "Join Session in Progress" button to the text "During session:". A fourth red arrow points from the "Join Session in Progress" button to the text "Please click the button above to join the meeting." in a white text box. The session page also lists several sub-sessions: "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", and "SS-IVM-4.6: PRODUCT QUANTIZATION TO REDUCE ENTROPY OF LABELS FOR FAST AND ACCURATE IMAGE RETRIEVAL".

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

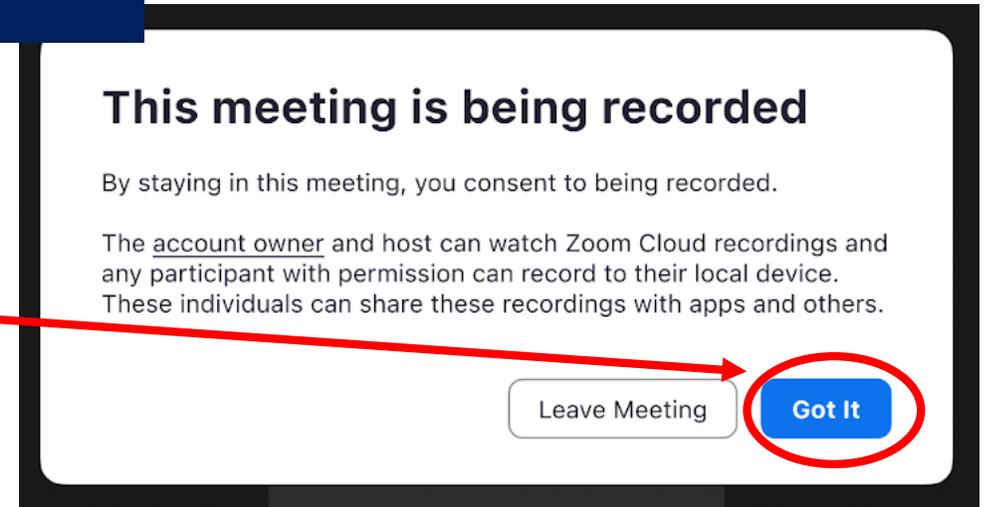
20minutes before the session start: [Join Upcoming Session](#)

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

Please click the button above to join the meeting.

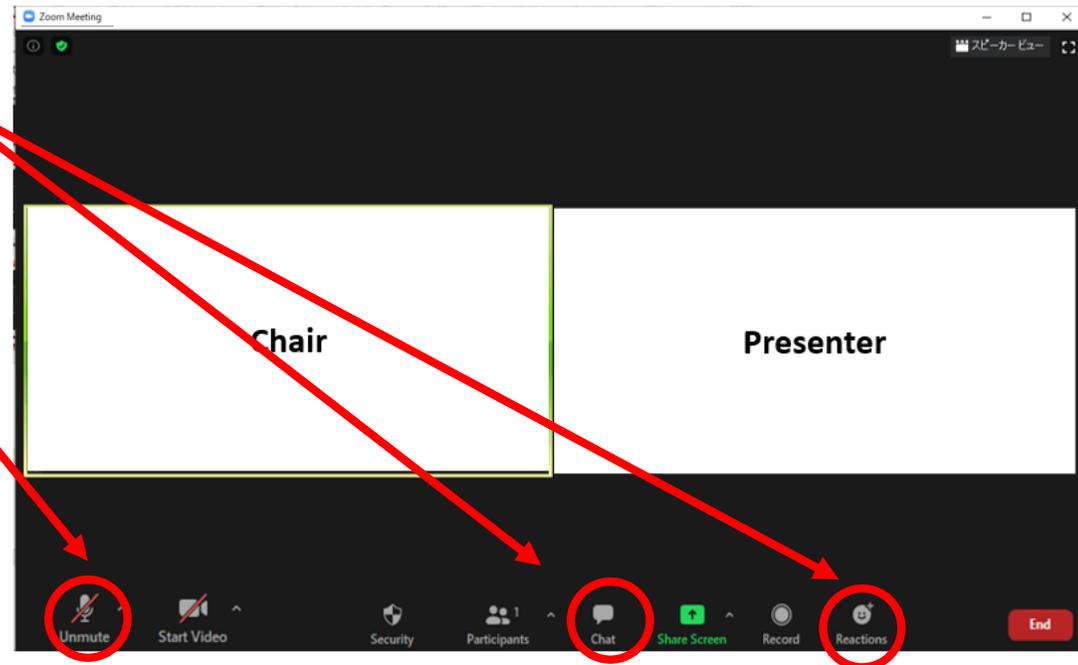
Note in attending on Zoom

To attend, please accept the recording in Zoom
All sessions are recorded in Zoom, and we will let the recordings available for the participants later.
To attend the sessions, please accept the recording.



Q&A will be conducted by oral communication →
See p9

Always put you on mute
When you are not speaking, please always mute yourself.



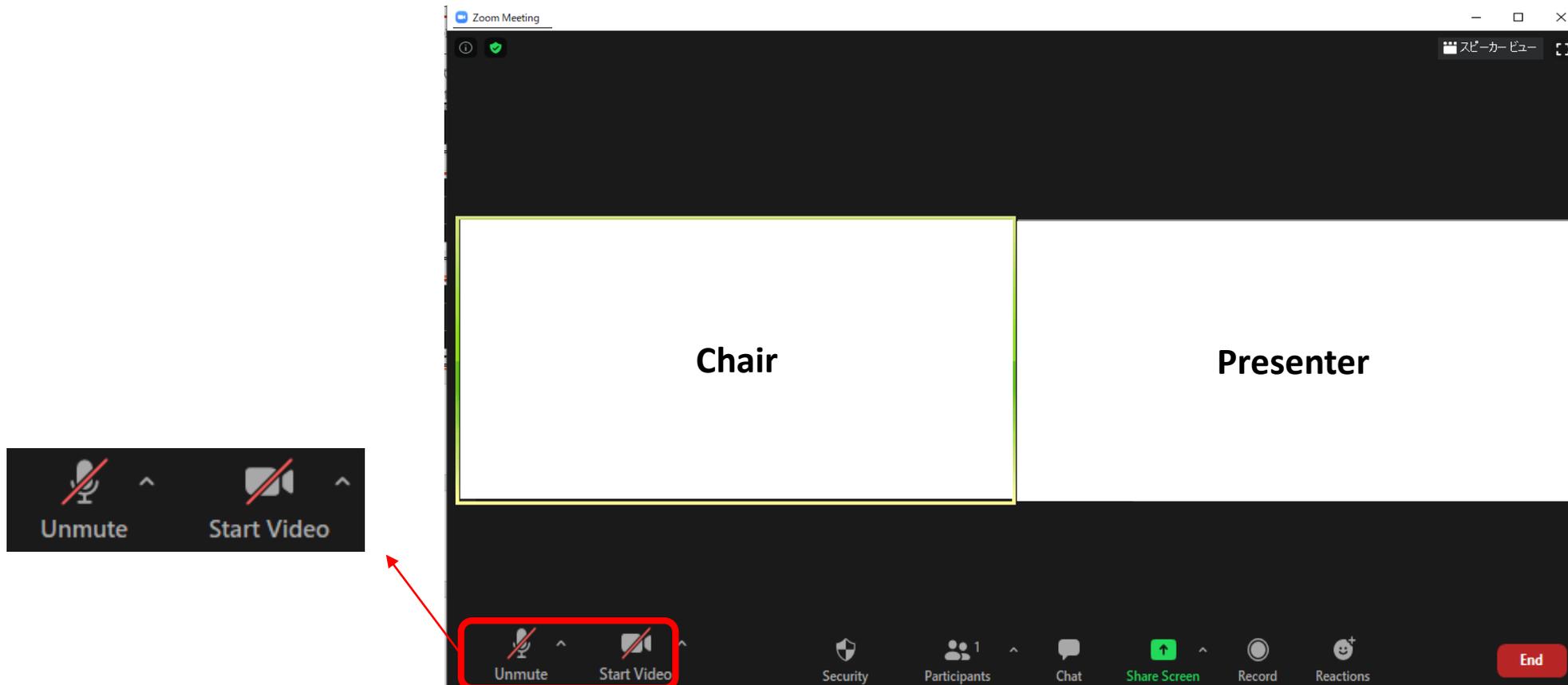
Note in attending on Zoom

After you login at zoom, please change your zoom name as below:

0000_John Smith (Univ. of Tokyo)

* 4digits of Registration No._First name, Last name, (Affiliation) in English

For the presentation time, please turn the microphone and video OFF during the presentations.



Discussion on Zoom

The attendees who would like to make questions,

- 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.

Chairs will announce attendees how to proceed the discussion when the discussion time starts.

Then the chair will pick the attendee’s name and allow you to talk, then please unmute the microphone and make questions.

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

[presenter] About ***, ...

Chat

②When the chair allow you to talk, please unmute the microphone and ask question. (You can turn on video if you like)

①Chat your question.

Raise hand

②When the chair allow you to talk, please unmute the microphone and ask question. (You can turn on video if you like)

①Raise hand Button

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

How to see presentation video of on-demand session

Please click presentation title that you would like to see in the program at a glance on top page.

APSIPA 2021 Authors Program Presentation Instructions

Program at a glance page

Wednesday, December 15

Wed, 15 Dec, 10:30 - 11:00 Japan Standard Time (UTC +9)					
Live Session A (Hall)					
Wed, 15 Dec, 01:30 - 02:00 Coordinated Universal Time					
Begins in 15D 19h					
Tue, 14 Dec, 20:30 - 21:00 Eastern Standard Time (UTC -5)					
Opening Ceremony					
Tue, 14 Dec, 17:30 - 18:00 Pacific Standard Time (UTC -8)					
Wed, 15 Dec, 11:00 - 11:20 Japan Standard Time (UTC +9)					
Break					
Wed, 15 Dec, 02:00 - 02:20 Coordinated Universal Time					
Tue, 14 Dec, 21:00 - 21:20 Eastern Standard Time (UTC -5)					
Tue, 14 Dec, 18:00 - 18:20 Pacific Standard Time (UTC -8)					
Wed, 15 Dec, 11:20 - 13:20 Japan Standard Time (UTC +9)					
Live Session A (Hall)		Live Session B (Annex)		On-Demand A	
Begins in 15D 20h		Begins in 15D 20h		Begins in 15D 20h	
Special Session		Special Session		Special Session	
SS-IVM-4: Advanced Topics in Low Precision Image Processing		SS-WCN-1(1): Digital Convergence of 5G/B5G, AIoT and Security (1)		OD-SLA-1: Speech Recognition	
Tue, 14 Dec, 21:20 - 23:20 Eastern Standard Time (UTC -5)		Tue, 14 Dec, 18:20 - 20:20 Pacific Standard Time (UTC -8)		Tue, 14 Dec, 18:20 - 20:20 Pacific Standard Time (UTC -8)	
Wed, 15 Dec, 13:20 - 14:40 Japan Standard Time (UTC +9)					
Lunch Break					
Wed, 15 Dec, 04:20 - 05:40 Coordinated Universal Time					
Tue, 14 Dec, 23:20 - 00:40 Eastern Standard Time (UTC -5)					
Tue, 14 Dec, 20:20 - 21:40 Pacific Standard Time (UTC -8)					
Wed, 15 Dec, 13:30 - 14:10 Japan Standard Time (UTC +9)					
Live Session A (Hall)					
Wed, 15 Dec, 04:30 - 05:10 Coordinated Universal Time					
Begins in 15D 22h					
Tue, 14 Dec, 23:30 - 00:10 Eastern Standard Time (UTC -5)					
L-1-A: Industrial Workshop (LINE)					
Tue, 14 Dec, 20:30 - 21:10 Pacific Standard Time (UTC -8)					
Wed, 15 Dec, 14:40 - 16:40 Japan Standard Time (UTC +9)					
Live Session A (Hall)		Live Session B (Annex)		On-Demand A	
Begins in 15D 23h		Begins in 15D 23h		Begins in 15D 23h	
Special Session		Special Session		Special Session	
SS-SPS-1: High-Performance Image Processing		SS-MSF-1: The Future of Biometrics beyond Recognition and Security		OD-SLA-2: Speech Enhancement	
Tue, 14 Dec, 21:40 - 23:40 Pacific Standard Time (UTC -8)		Tue, 14 Dec, 21:40 - 23:40 Pacific Standard Time (UTC -8)		Tue, 14 Dec, 21:40 - 23:40 Pacific Standard Time (UTC -8)	

Logout Dashboard

Technical Program / Session OD-SLA-1

OD-SLA-1: Speech Recognition

Begins in 15 days and 20 hours

Track: Speech, Language, and Audio (SLA)

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)

OD-SLA-1.1: ON THE USE OF SPEAKER INFORMATION FOR AUTOMATIC SPEECH RECOGNITION IN SPEAKER-IMBALANCED CORPORA

Kak Soky, Kyoto University, Japan; Sheng Li, National Institute of Information and Communications Technology, Japan; Masato Mimura, Chenhui Chu, Tatsuya Kawahara, Kyoto University, Japan

OD-SLA-1.2: SPECTROGRAMS FUSION-BASED END-TO-END ROBUST AUTOMATIC SPEECH RECOGNITION

Hao Shi, Graduate School of Informatics, Kyoto University, Japan; Longbiao Wang, Tianjin University, China; Sheng Li, National Institute of Information and Communications Technology (NICT), Japan; Cunhang Fan, Anhui Province Key Laboratory of Multimodal Cognitive Computation, School of Computer Science and Technology, Anhui University, China; Jianwu Dang, Japan Advanced Institute of Science and Technology, Ishikawa, Japan; Tatsuya Kawahara, Graduate School of Informatics, Kyoto University, Japan

OD-SLA-1.3: CONFORMER-BASED END-TO-END SPEECH RECOGNITION WITH ROTARY POSITION EMBEDDING

Shengqiang Li, Menglong Xu, Xiao-Lei Zhang, Northwestern Polytechnical University, China

OD-SLA-1.4: EFFICIENT CONFORMER-BASED SPEECH RECOGNITION WITH LINEAR ATTENTION

Shengqiang Li, Menglong Xu, Xiao-Lei Zhang, Northwestern Polytechnical University, China

OD-SLA-1.5: ONE IN A HUNDRED: SELECTING THE BEST PREDICTED SEQUENCE FROM NUMEROUS CANDIDATES FOR SPEECH RECOGNITION

Zhengkun Tian, Institute of Automation, Chinese Academy of Sciences, China; Jiangyan Yi, Ye Bai, 1,2, China; Jianhua Tao, Shuai Zhang, Zhengqi Wen, Institute of Automation, Chinese Academy of Sciences, China

If you go to each presentation page from the program, you can see the presentation video, and slides (if provided).

APSIPA 2021 Authors Program Presentation Instructions

Technical Program / Session OD-SLA-1 / Paper OD-SLA-1.1

OD-SLA-1.1

Presentation title

List of authors

Session:
Speech Recognition

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

Presentation video

0:00 / 11:39

Begins in 15 days and 20 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

[Download Slides/Notes](#)

Session OD-SLA-1

Session list

You can use chat discussion here. 

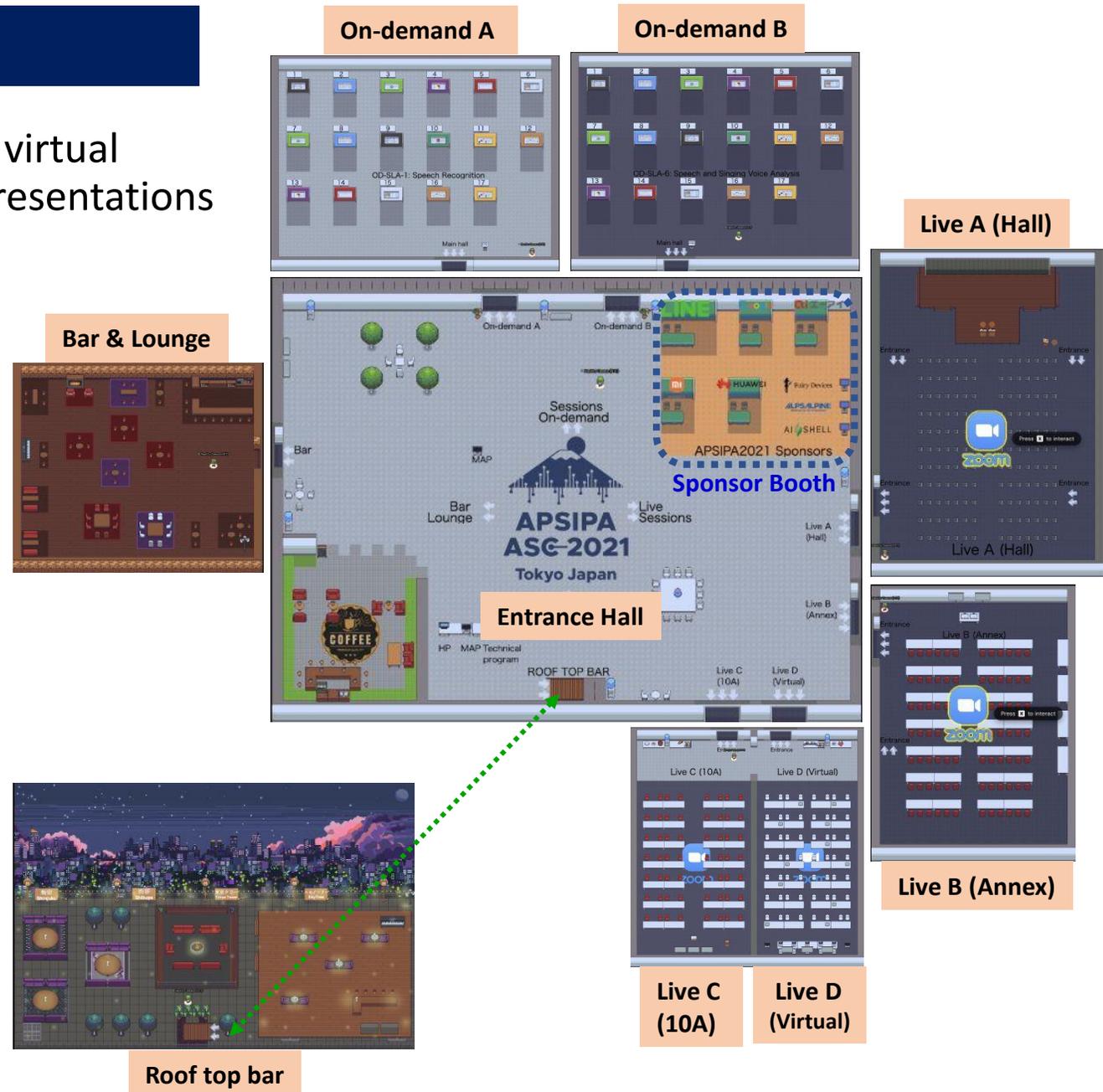
If there's any slides/notes has been provided by presenter, you can check from here. 

Gather.Town

APSIPA ASC 2021 provides a Gather.Town space as a virtual environment, mainly for discussion in on-demand presentations and social communication between participants.

The participants can have a live discussion for on-demand presentation (see p. 15), use the Zoom links to live presentations in Live A~D rooms, access the sponsor pages in the sponsor booth (blue box in a map), and meet other participants at any place.

The space is already available 24-hours and it will be until a few days after the conference. We recommend the participants to check the access to Gather.Town (see p. 14) before the conference starts.

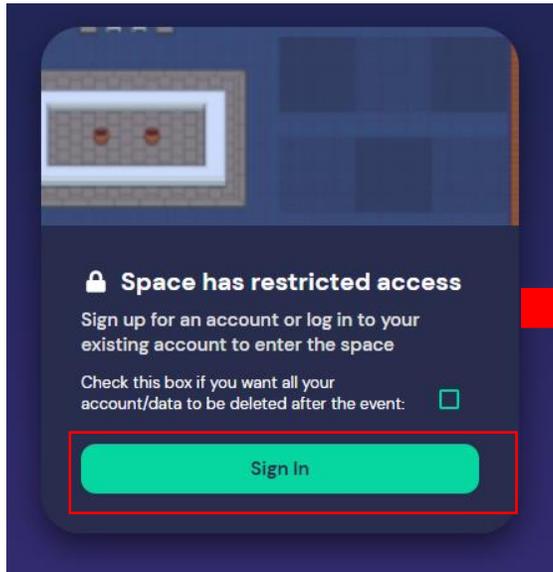


How to join Gather.Town

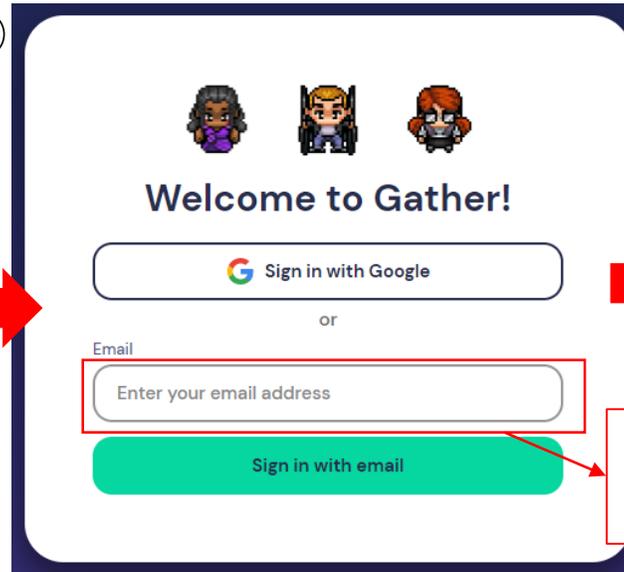
1. Go to our Gather.Town space with the URL below:

URL: <https://gather.town/app/82GSTAOGmb3bWRjw/APSIPA2021>

①



②



③



6-digit number will be notified by email.

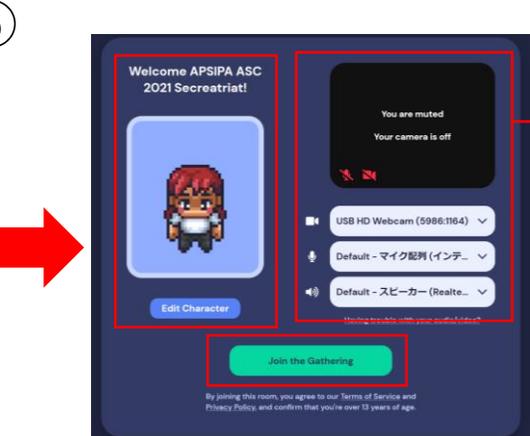
Please enter your registered email address, and click "Sign in with email"

④



Enter 6-digit number written in e-mail.

⑤



Set your character, name, and microphone & Camera, and click "join gathering". Please set your name as below:
John Smith (Univ. of Tokyo)
First name, Last name, (Affiliation) in **English**
*If you are first time to access Gather.Town, please check help page.
How to customize character:
<https://support.gather.town/help/customize-character>
Trouble shooting:
<https://support.gather.town/help/av-troubleshooting>

⑥

You have successfully login to the APSIPA ASC 2021 space!



Exploring in Gather.Town

To explore the space, please use the keyboard to move. Please read guest guide of Gather.Town for more instructions.

<https://support.gather.town/help/new-user-faqs#what-do-i-need-to-get-started>

Discussion on Gather.Town (On-demand A&B session)

1. Enter the room (On-demand A or B) and check the session name on the floor (Red boxes on Fig. 1 and 2)
2. Presenters are waiting at each presentation number space.
Each private space in front of the poster number (Green box on Fig 2) is a discussion space for each presenter.
3. If you have any questions, please ask the presenters and have a discussion at each designated space.



Fig. 1 Entrance hall on Gather.Town

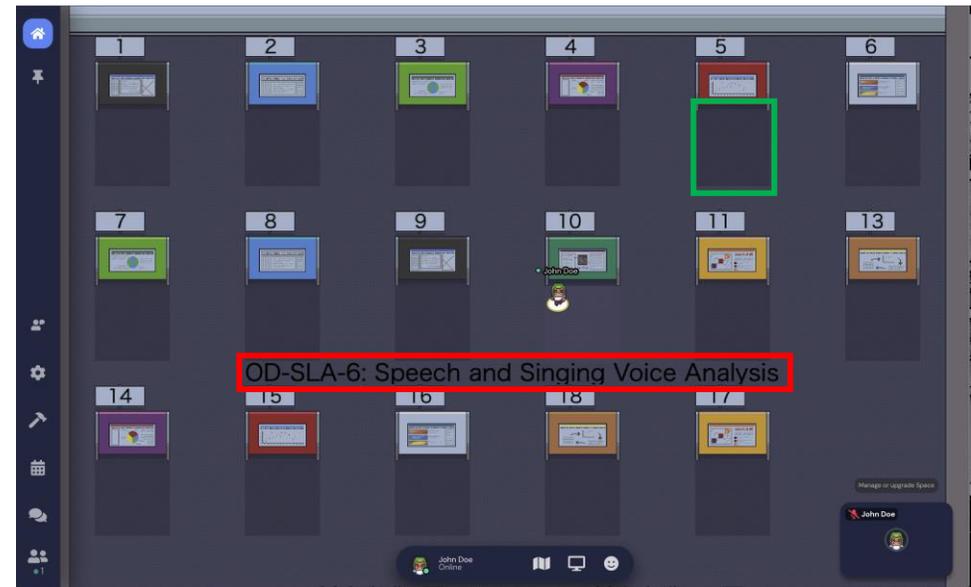


Fig. 2 On-demand session hall

Contact information

APSIPA ASC 2021 Secretariat

Registration office: apsipa_asc2021-reg@jtbc.com.co.jp

Online platform support office: apsipa2021@cmsworkshops.com