

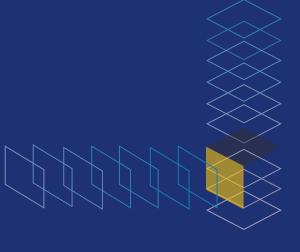
WEB3D 2020 3D for a Hyperconnected World

The 25th International ACM Conference on 3D Web Technology November 9-13, 2020, Virtual Conference, Seoul, Korea











WEB3D 2020

The 25th International ACM Conference on 3D Web Technology November 9-13, 2020, Virtual Conference, Seoul, Korea

Welcome

환영합니다

欢迎









Plenary 1



Byounghyun Yoo KIST Finance Chair



OPENING









Official Opening



Soonhung Han KAIST General Chair



Welcome









General Chairs



Soonhung Han KAIST



Don Brutzman Naval Postgraduate School



Jehee Lee Korea Computer Graphics Society

Welcome Message



Jehee Lee Korea Computer Graphics Society General Co-Chair

Welcome Message



Don Brutzman Naval Postgraduate School General Co-Chair



Keynote



Kwangyun Wohn KAIST

Keynote



VR as a media in the age of the 4-th industrial revolution

Kwangyun Wohn KAIST

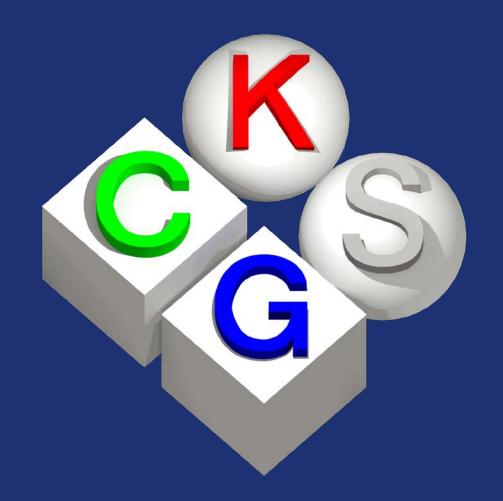
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Special Thanks













Special Thanks



Whanyong Lee Ajou Univiersity Web Co-Chair

Student Volunteers



TIN HOK
Chungbuk National University, Korea



Tulga Tuvshin
Jeonbuk National University, Korea



Dong Liang Tongji University, China



Wonjun Seong Konkuk University, Korea



Mingi Yeom KAIST, Korea







Mutahar Safdar McGill University, Canada



Kim Jaeeun Korea University, Korea

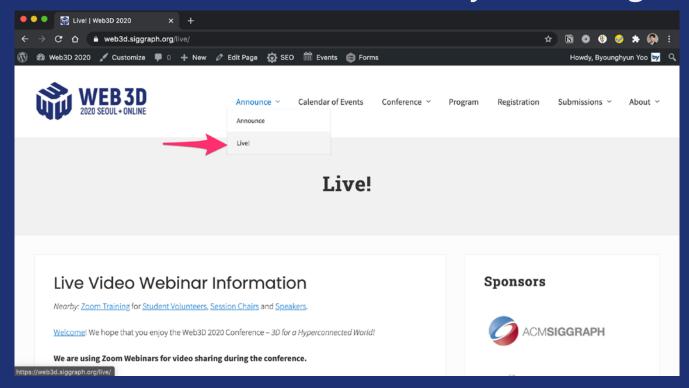
Virtual Conference Orientation



Byounghyun Yoo KIST Finance Chair

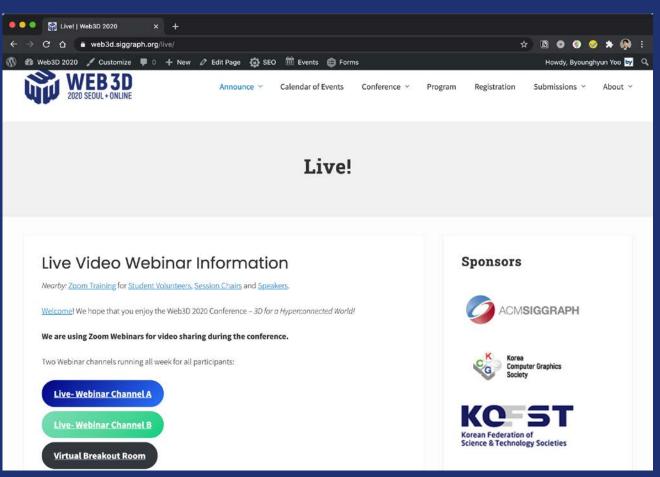
Check Live!

- We are using Zoom Webinars for video sharing during the conference.
- Connection information is available only on a single page: Live!



Check Live!

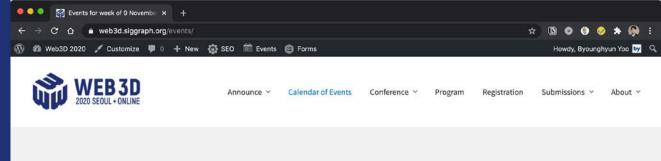
- Two Webinar Channel
 - Live-Webinar Channel A
 - Live-Webinar Channel B
- One Virtual Breakout Room
 - Gather.town



Conference Proceedings

- ACM Digital Library
 - Web3D '20: The 25th International Conference on 3D Web Technology
- Digital Proceeding will be open during the conference
- Each paper on our conference website has a link to the ACM DL page

Schedule - Week View



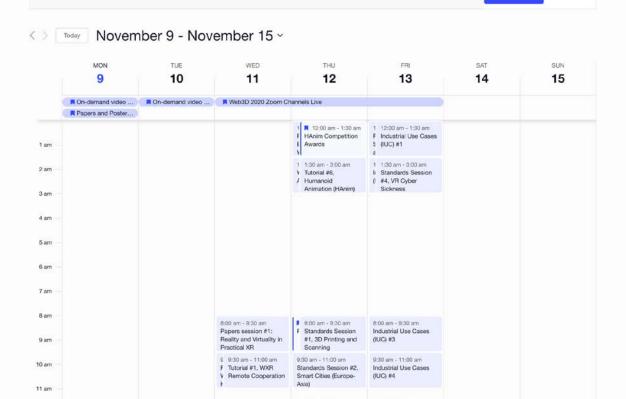
Events

Be careful please! Calendar Events are scheduled using in Coordinated Universal Time (UTC) but your display might show a different local time zone. Please check entries to be certain – downloading events to your calendar is helpful. To confirm, here is a Time Zone Calculator.

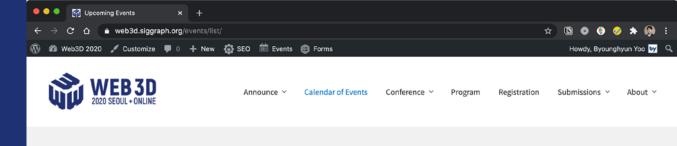
Week v

Find Events

Q Search for events

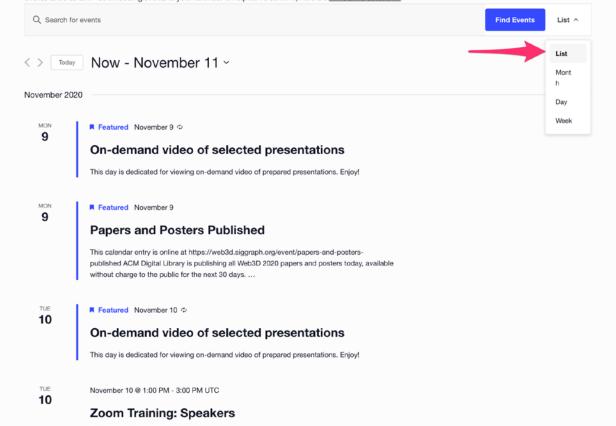


Schedule - List View



Events

Be careful please! Calendar Events are scheduled using in <u>Coordinated Universal Time (UTC)</u> but your display might show a different local time zone. Please check entries to be certain - downloading events to your calendar is helpful. To confirm, here is a <u>Time Zone Calculator</u>.



Korea Time	UTC Time		WED 11th Nov		12th Nov		13th Nov	
			Track A	Track B	Track A	Track B	Track A	Track B
09:00 -12:00	00:00 -03:00	00:00 -01:30	(No session)		Paper session #4 (Chair : Kwan-Hee Yoo)	H-Anim Competition (Chair: Myeong Won Lee)	Paper session #5 (Chair : Takeshi Kurata)	Industrial Use case #1 (Chair : Kyoungro Yoon)
		01:30 -03:00			Workshop #2 (Chair : Sung-Hee Lee)	Tutorial #6 (Chair : Joe D.Williams)	Standard Session #4 (Chair : Hyun Kyoon Lim)	Industrial Use case #2 (Chair : SangHee Shin)
17:00 -20:00	08:00 -11:00	08:00 -09:30	Paper session #1 (Chair : V.Marchetti)	(No session)	Poster Session #2 (Chair : Hyung-Seok Kim	Standard Session #1) (Chair : ByoungNam Lee)	(No session)	Industrial Use case #3 (Chair : Christophe Mouton)
		09:30 -11:00	Paper session #2 (Chair : Jinyuan Jia)	Tutorial #1 (Chair : Byounghyun Yoo)	(No session)	Standard Session #2 (Chair : Peter Ryan)		Industrial Use case #4 (Chair : YongWoon Kim)
22:00 -24:00	13:00 -15:00		Plenary #1 (Chair: Byounghyun Yoo) Keynote by Kwangyun Wohn (KAIST)		Plenary #2 (Chair : Nicholas Polys) Keynote by Neil Trevett (Khronos Group)		Plenary #3A Get Involved! Plenary #3B Awards	
(Next day) 02:00 -05:00	17:00 -20:00	17:00 -18:30	Paper session #3 (Chair : Christophe Mouton)	Tutorial #2 (Chair : Don Brutzman) & Tutorial #3 (Chair : Andreas Plesch)	Workshop #1 (Chair : Feng Liu)	Standard Session #3 (Chair : Don Brutzman)	(No session)	
		18:30 -20:00	Poster session #1 (Chair : Sung-Hee lee)	Tutorial #4 (Chair : Jakub Flotynski) & Tutorial #5 (Chair : Eftychia Lakka)	Workshop #3 (Chair : Carol McDonald)	(No session)		

Program at a glance

https://web3d.siggraph.org/conferences2020/program/

(I) 65 Web102035 / Customics # 1 + New / Reli Fage @ 500 III Events @ Forms





Program



the <u>Calentar of Everts</u>. Video and presentation materials are getting added in line for each event.

Twenty-four papers preserving original work in 3D Web streams and applications have been selected by the

- Papers session #1: Resitty and Virtuality in Practical XB
- . Papers session #2: 10 Web for Hyperconnected Applications
- . Paners specing the Call Scalability and Species on the Web.
- . Papers session #4: Extending Web3G/VR/XII in Content and Effects
- . Papers session #5: Nig. Small, Broad, Deep and Close

stielcome to the 25th Anniversary of the steb3t0 Conference - words

- . Plenary F1, Conference and Sponsor Welcome
- . Plenary #2, Khrones Update, Web30 Consertium fown Hall, and Panel Discussion . Plenary #3A, Web3D 1021 Committee (planning discussion for next year)
- . Plenary #35, Web30 Conference Awards and Acknowledgements

and applications. Authors are available for questions and obsession to complete their new, custing edge work. Each poster has soon compositively solected by the program committee and is pushioned as part of

. Posters Session 1 and Posters Session 2

SPECIAL TRACK: INDUSTRIAL USE CASES (IUC) and DIGITAL TWIN (DTW)

Proditioners demonstratement 20 was technologies may be used in industrial applications. This special annual reciptary requirements for using 3D in various application domains.

. Industrial Use Cases (IUC) and Digital Twin (DTw) Visualization

Web and 3D multimed a communities, to discuss views and exchange information on emerging 3D Web-

- Standards Session 82, Sesert Cities (Europe Asia)
- . Standards Session #3, Smart Cities (Americas-Europe)
- Standards Session H4, VR Cuber Sickment: Evaluation, Measurement, Standards

and to experienced practitioners. Extorial subjects include practices for authoring assess tive 90 scenes and in

- Tetorial KL, WXN: Remote Concerntion using WebXR Technology
- . Tutorial F2, X3D4 Capabilities and HTMLS Publishing
- Tytorial #4, X30 Ontology for Semantic Web Overy of 30 Models and Metadata
- . Tutorial #5, X3D4 Spatial Seund, Web Audio API and Acoustic Properties
- . Tytorial FS, Humanoid Animation (HAnim) Motion Animation and Skeletal Modeling

WORKSHOPS

Morkshops provide a forum for researchies and production on from section (Mot and 3D multimedia. presentation sessions recolarated by we halve organisms or open discussions of new recollectes on a specific

- . Workshop EL, Web 10 User Experience (Web 10UK)
- . Werkshop 83, Web 3D and Material Eachange: Adoption Requirements

This year's Demonstrations receive represent york from artists, content designers, and developers on their innovative 3D works. Art works and applications developed on various platforms, including the web, dealton.

HANIM COMPETITION

OCCI prophics standards can be used for creating an maked music videos. The competition is organized by the Korsan Standards Association (KSA) and Web ID Consortium, proges will award drive membrary prices.

- . Organization and Military Manual Ma

Video suferiosco deselve chased 24 October 2020

Program Index

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- and Digual hers (Otte)

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Zoom Desktop Client

- Use the latest version of Zoom desktop client
 - https://zoom.us/download

Zoom Client for Meetings

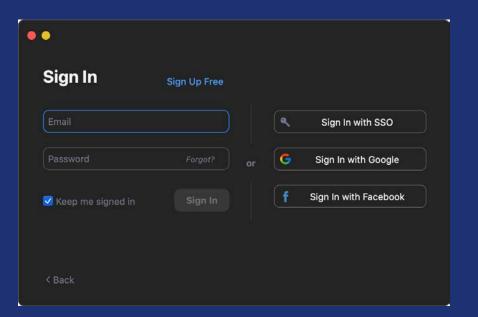
The web browser client will download automatically when you start or join your first Zoom meeting, and is also available for manual download here.

Download

Version 5.4.2 (58740.1105)

Zoom Account for Presenter

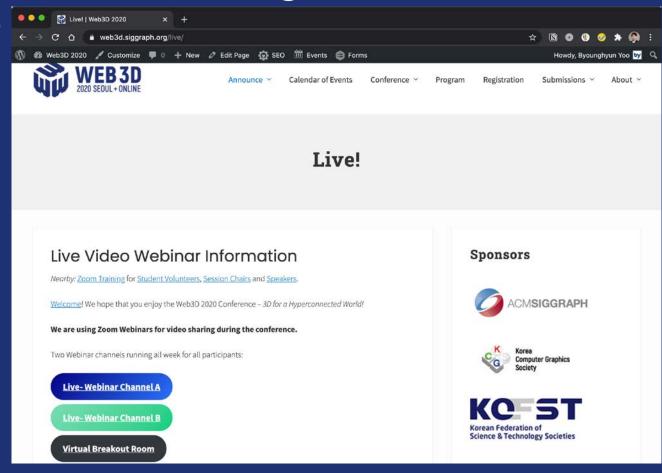
 Presenter should logged in with the same email address for your Zoom account you used in your accepted paper or poster to be promoted to a panelist (presenter) from an attendee



Zoom Webinar Connection

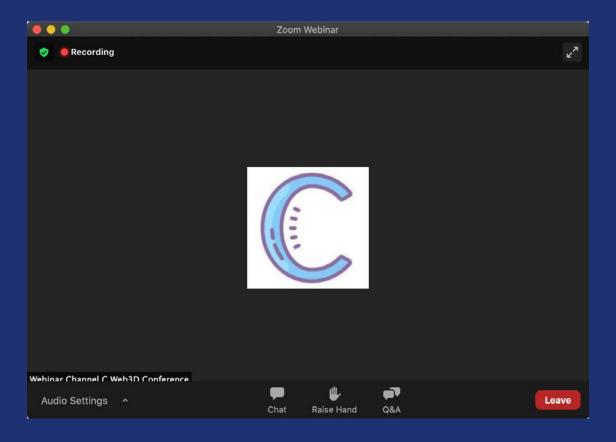
Connect Webinar by the button in the Live! Page

• http://web3d.siggraph.org/live



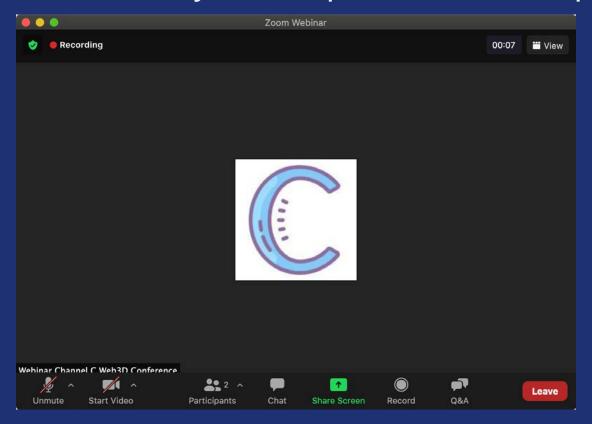
Zoom Webinar Attendee Interface

- If you see this interface, you are now an attendee
 - 3 buttons in bottom line (Chat, Raise Hand, Q&A)

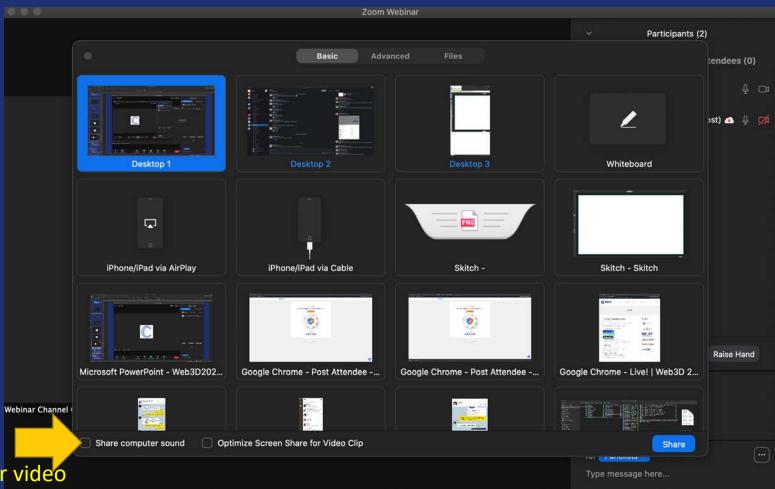


Zoom Webinar Panelist Interface

- A speaker should be promoted to a panelist for a presentation
- If you have more button, you are promoted to a panelist



Share Screen and Sound



Please check
"Share computer sound"
if you need sound in your video

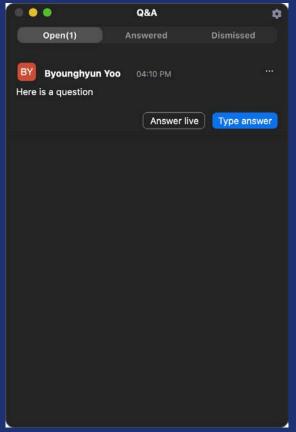
Zoom Webinar Panelist Registration

- All authors' email address of paper and poster sessions for each day will be registered as a panelist before UTC 00:00 of the same day of your presentation
- It means you should be automatically promoted to a panelist if you used your email address used in your accepted paper
- If you are still an attendee, send an urgent chat message to panelists

Zoom Webinar Q&A

Badges notification shows the number of Question on the Q&A button

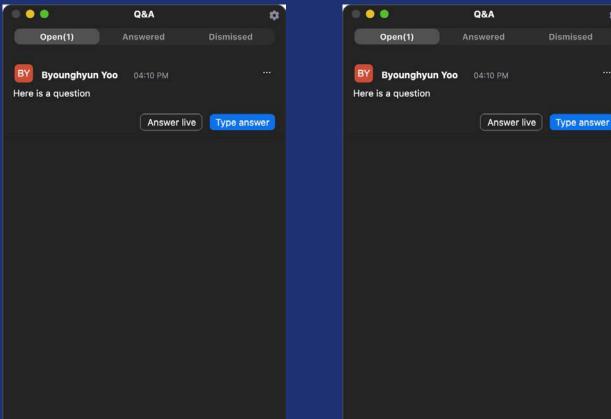


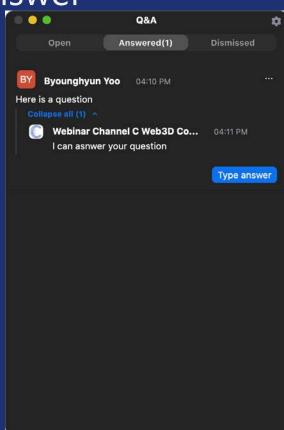


Zoom Webinar Q&A

• "Type answer" is recommended for a short answer

• "Answer live" is recommended for a long answer





Speaker Preparation Channel

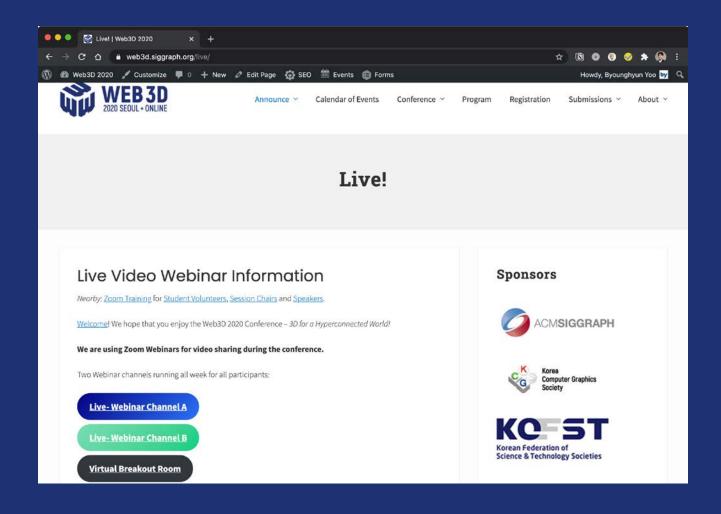
 For speakers of Thursday and Friday in UTC, please use http://bit.ly/web3d_C as the speaker preparation room.

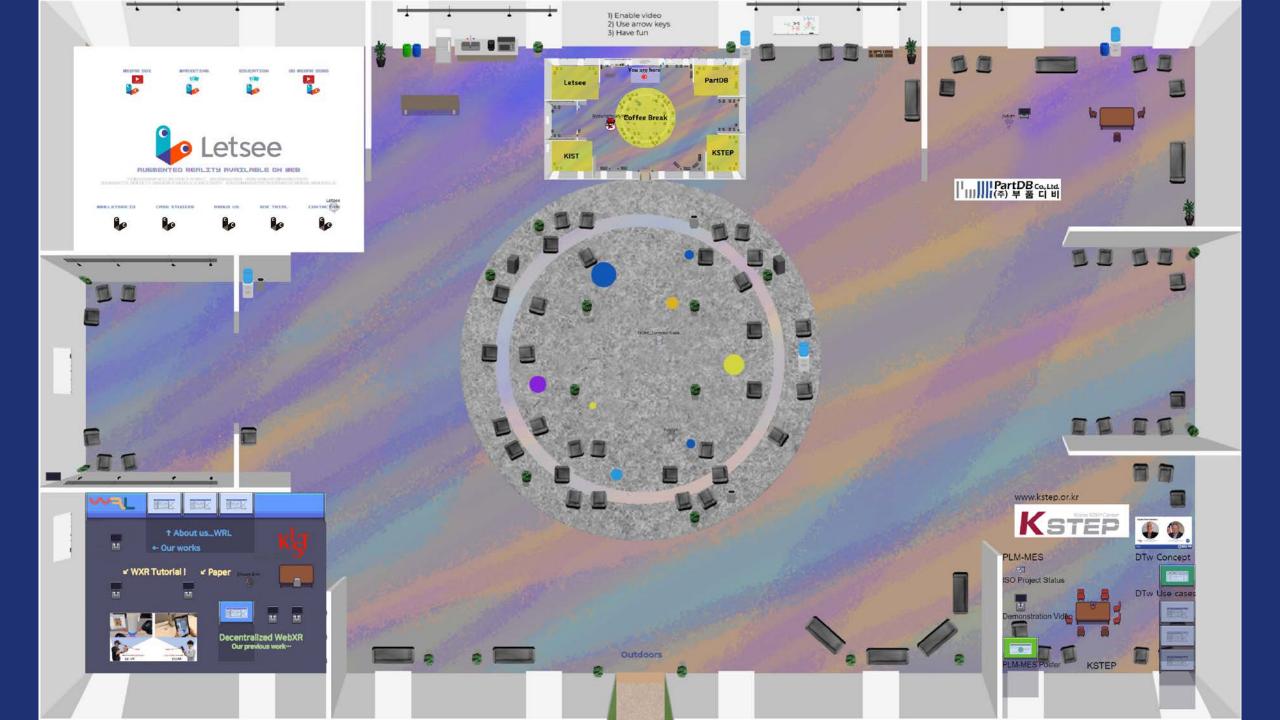
Conference Web



Whanyong Lee Ajou Univiersity

Virtual Break Room







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