

# SC24 WG9 & Web3D Meetings

▶ Meeting Date January 20-25, 2019, Seoul, Korea

▶ Meeting Place Grand Ambassador Seoul Associated with Pullman, Seoul, Korea  
<https://www.ambatel.com/grand/seoul/en/main.do>

▶ Hosts KATS (Korean Agency for Technology and Standards) and RRA (National Radio Research Agency)

▶ Organizer KSA (Korean Standards Association)

To be held in parallel with Web3D teleconference / ISO ZOOM meeting

January 21-22 (Web3D meetings) at 9:00-18:00 KST (Web3D teleconference)

January 23-24 (SC24 WG9 meetings) at 9:00-18:00 KST (ISO ZOOM meeting, to be arranged by Gerry)

January 25 (Web3D meetings) at 10:00-12:00 KST (Web3D teleconference)

## January 20 (Sunday) Web3D Meeting (14F Executive Board Room, Business Center)

### Preliminary Meeting (Chair: Myeong Won Lee, Suwon U.)

16:00-17:00 Discussion of X3D and H-Anim specification progress

17:00-18:00 Projective Texture Mapping, Kwan Hee Yoo (Chungbuk National U.)

## January 21 (Monday) Web3D Meeting (B1 Chardonnay Room)

### H-Anim WG Meeting 1 (Chair: Myeong Won Lee, Suwon U.)

09:00-10:00 H-Anim facial animation WD, Jung-Ju Choi (Ajou U.) and Myeong Won Lee (Suwon U.)

10:00-10:30 Digital human information modeling, Myeong Won Lee (Suwon U.) and Seung-Pyo Lee (Seoul National U.)

10:30-11:00 [Coffee break](#)

### 3D Printing and Scanning (Chair: Byoung Nam Lee, ETRI)

11:00-11:30 JTC1 3D printing and scanning WG, Byoung Nam Lee (ETRI)

11:30-12:00 Medical 3D printing and scanning, Kyu-Won Shim (Yonsei University)

12:00-12:30 Discussion

12:30-14:00 [Lunch](#)

### H-Anim and Medical WG Meeting (Chair: Myeong Won Lee, Suwon U.)

14:00-14:30 H-Anim WG future of humanoid modeling and animation, William Glascoe (TEK Systems)

14:30-15:00 HL7 Korea, Byoung-Kee Yi (Samsung Medical Center)

15:00-15:30 Web3D medical WG, Nicholas Polys (Virginia Tech)

15:30-16:00 [Coffee break](#)

### VR Metrology and Integration (Chair: Myeong Won Lee, Suwon U.)

16:00-16:30 VR studies at Korea Research Institute of Standards and Science, Hyun Kyoong Lim (KRISS)

16:30-17:00 ISO/IEC JTC 1 VR AR for education, Myeong Won Lee (Suwon U.)

### Web3D Conference 2020 in Seoul (Chair: Soonhung Han, KAIST)

17:00-17:15 Web3D Conference 2020, Soonhung Han (KAIST)

17:15-17:30 VR Hackathon 2020, Soo-Mi Choi (Sejong U.)

17:30-17:45 AR Workshop 2020, Gerard Kim (Korea U.)

17:45-18:00 VR Immersion Workshop 2020, Hyun Kyoong Lim (KRISS)

18:00-18:15 3D Printing Workshop 2020, Byoung Nam Lee (ETRI)

18:15-18:30 Tutorial Planning, Woontack Woo (KAIST)

18:30-18:45 Local Arrangement, Hwanyong Lee (Ajou U.)

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## January 22 (Tuesday) Web3D Meeting (B1 Chardonnay Room)

### H-Anim WG Meeting 2 (Chair: Myeong Won Lee, Suwon U.)

- 09:00-09:30 Internal organ representation model, Myeong Won Lee (Suwon U.)
- 09:30-10:00 Modeling and animation of respiratory organs, Kwan Hee Yoo (Chungbuk National U.) and Chan Park (KIS Co.)
- 10:00-10:30 Discussion
- 10:30-11:00 Coffee break

### SC24 JWG 16 and SG for Systems Integration Visualization (Chair: Myeong Won Lee, Suwon U.)

- 11:00-11:30 SG for visualization in Systems Integration, Peter Ryan (DSTO)
- 11:30-12:00 TC184 JWG16 for CAD Visualization, Soonhung Han (KAIST)
- 12:00-12:30 Discussion
- 12:30-14:00 Lunch

### SC24 WG6 and Web3D Status and Future Work (Chair: Kwan-Hee Yoo, Chungbuk National U.)

- 14:00-14:30 Web3D standards and future work, Don Brutzman (NPS)
- 14:30-15:00 SC24 WG6 standardization status, Richard F. Puk (Intelligraphics Inc.)
- 15:00-15:30 Discussion
- 15:30-16:00 Coffee break

### X3D Radar Visualization and Language Binding (Chair: Myeong Won Lee)

- 16:00-16:30 Radar beam visualization, Sungmin Kwon (ADD) and Don Brutzman (NPS)
- 16:30-17:00 X3D C/C++ language binding, Myeong Won Lee (Suwon U.)
- 17:00-17:30 X3D C# language binding, Myeong Won Lee (Suwon U.)
- 18:00-20:00 Reception

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## January 23 (Wednesday) SC24 WG9 Meeting & SG SIV Meeting (B1 Chardonnay Room)

### Session 1: Current Work Items Progress (Chair: Gerard Kim, Korea U.)

09:00-09:30 Progress with MAR reference model, Gerard Kim (Korea U.)

09:30-10:00 Progress with Information model for MAR contents, Gerard Kim (Korea U.)

10:00-10:30 Discussion

10:30-11:00 Coffee break

11:00-11:30 Progress on Sensor representation in MAR, Myeong Won Lee (Suwon U.)

11:30-12:00 Progress on live actor and entity representation in MAR, Kwan-Hee Yoo (Chungbuk National U.)

12:00-12:30 Discussion

12:30-14:00 Lunch

14:00-14:30 Progress on benchmarking framework of vision-based spatial registration and tracking methods for MAR, Takeshi Kurata (AIST)

14:30-15:00 Progress on display device interface for MAR, Kwan-Hee Yoo (Chungbuk National U.)

15:00-15:30 Discussion

15:30-16:00 Coffee break

### SC24 SG for Systems Integration Visualization (Chair: Peter Ryan, DSTO)

16:00-16:30 Smart city healthcare information interface, Seung-Pyo Lee (Seoul National U.) and Myeong Won Lee (Suwon U.)

16:30-17:00 Smart city representation model, Peter Ryan (DSTO) and Myeong Won Lee (Suwon U.)

17:00-17:30 Smart city visualization, Peter Ryan (DSTO)

17:30-18:00 Virtual training systems architecture, Myeong Won Lee (Suwon U.)

18:00-18:30 Discussion

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## January 24 (Thursday) SC24 WG9 Meeting & SG SIV Meeting (B1 Chardonnay Room)

### Session 2: New proposals (Chair: Gerard Kim, Korea U.)

09:00-09:30 Information model for LAE in MAR, Kwan-Hee Yoo (Chungbuk National U.)

09:30-10:00 Webizing MAR contents, Byounghyun Yoo (KIST)

10:00-10:30 Support for flexible haptic simulation in MAR, Gerard Kim (Korea U.)

10:30-11:00 Coffee break

11:00-11:30 Application standards for MAR - Tele-existence SNS, Bumjae Yoo (KIST) and Gerard Kim (Korea U.)

11:30-12:00 Ergonomics standards for MAR, Dongsik Jo (Wonkwang U.) and Gerard Kim (Korea U.)

12:00-12:30 Discussion

12:30-14:00 Lunch

14:00-14:30 Usability evaluation standard of multimodal MAR contents, Sung Ryong Lee (Kyunghee U.) and Gerard Kim (Korea U.)

14:30-15:00 xDR (PDR & VDR) Challenge: survey on indoor localization competitions and benchmarking activities, Takeshi Kurata (AIST)

15:00-15:30 Discussion

15:30-16:00 Coffee break

16:00-16:30 Web3D activities on MAR, Nicholas Poly (Virginia Tech)

16:30-17:00 Non-visual augmented reality as an accessibility Tool for people with visual impairments, ChungWeon Oh (Namseoul U.)

17:00-17:30 Liaison agreement between SC24 and Khronos Group, Hwanyong Lee (Ajou U.)

17:30-18:00 ISO PAS development for glTF, Hwanyong Lee (Ajou U.)

## January 25 (Friday) Web3D Meeting (4F Doraji Room)

10:00-12:00 HL7 and Web3D Meeting (Chair: Nicholas Polys, Virginia Tech)