

2021 International Joint Workshop of IEEE-SA P3333.1 Human Factors for Visual Experiences WG and

Yonsei University Y-BASE AI Group

QoE for an upcoming immersive media

Date : **July 12nd ~ 13rd , 2021**

Location : **Fully Online**

Along with the rapid advances in multimedia technology, it is now common for users to not only experience contents, but also acquire and generate contents. In addition, the imaging devices for the visualization of the contents are being diversified from 2D display to stereoscopic, lightfield and head-mounted display. Metaverse, which integrates diverse media and technology is now emerging, with rapid progress in deep learning technology. For this reason, the quality of experience (QoE) that the users perceive in each process and device has become much more diverse and complex, being adaptive to different service scenarios. Moreover, QoE has now been expanded to cover aesthetic, emotional, and psychological experiences.

In this workshop, we will discuss studies on visual experiences for the emerging future technology. In the sessions, we will introduce and discuss the standardization of human factors related subjects on QoE research.

	GMT+9 Seoul	GMT+1 London	GMT+2 Paris	Session	Presenter	
July 12 (MON)	17:00	9:00	10:00	32nd IEEE P3333.1.3 Human Factors for Visual Experiences Working Group Meeting	Sanghoon Lee	Yonsei University
	18:00	10:00	11:00	4th IEEE P3333.1.4 Human factors for Quality Assessment of Light Field Imaging Working Group Meeting	Maria Martini	Kingston University
July 13 (TUE)	16:45	8:45	9:45	Opening (15 min)	Sanghoon Lee	Yonsei University
	17:00	9:00	10:00	From Visual Quality Assessment to the Emerging Field of Cognitive Computing (60 min)	Patrick Le Callet	Université de Nantes
	18:00	10:00	11:00	Kingston University Research on Human Factors for Immersive Visual Experiences (60 min)	Maria Martini	Kingston University
	19:00	11:00	12:00	Adversarial perturbations & image quality (60 min)	Andrea Cavallaro	Queen Mary University
	20:00	12:00	13:00	Research on Visual Experience Quality Assessment for Upcoming immersive media (60 min)	Jiwoo Kang Sanghoon Lee	Yonsei University
	21:00	13:00	14:00	Wrap Up (15 min)	Sanghoon Lee	Yonsei University

HOSTs Yonsei University Y-BASE AI Group, Yonsei University AI-Cluster

Organizer Yonsei University Brain Korea 21 FOUR Program, Y-BASE R&E Institute