

# **VCIP 2022 Special Session on Immersive Visual Volumetric Content Representation and Compression**

3D visual experience attracted long-term research on 3D visual media processing and compression. It is an even big challenge to enable flexible self-controlled viewing consumption of visual volumetric contents and provide full 6 Degree of Freedom (6DoF) immersive experience, especially for comprehensive dynamic 3D scene. Popularity of AR/VR/MR and Metaverse in recent years excites a new round of technical blooming of processing, representation and compression of visual volumetric contents, such as multi-view video, multi-plane image, lenslet video, point cloud and 3D mesh, etc. Artificial intelligent based technologies are also hot in this area.

This special session in VCIP 2022 aims to bring together researchers from both academia and industry for discussing and reviewing the latest research achievements and fresh standard trends on volumetric visual content representation and compression.

Interest topics are including but not limited to:

- 3D visual content representation
- Immersive video coding
- Point cloud coding
- 3D mesh coding
- Lenslet image/video processing and compression
- Mixture content coding
- Visual content redering
- AI based visual volumetric content representation, processing and compression

## **Organizers:**

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