

Oral Presentation

[3DSA9/3D9]Data Compression

Chair: Hideaki Kimata (NTT)

Co-Chair: Miwa Katayama (NHK)

Fri. Nov 29, 2019 3:00 PM - 4:20 PM Small Hall (2F)

3:40 PM - 4:00 PM

[3DSA9/3D9-3]MPEG Video-based Point Cloud Coding based on JPEG

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Keywords:MPEG, V-PCC, JPEG, HEVC, Video Codec

In this paper, we proposed a method to design MPEG Video-based point cloud compression (V-PCC) based on JPEG. We chose JPEG for its simplicity, low computational complexity, and ubiquitous support of encoder and decoder. For performance evaluation, we compared the proposed method with the HEVC-based V-PCC reference software.