

Emerging Technologies Group

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VQEG Meeting, Dec 18-21, 2023



General Information

- The main focus is devoted to exploring new areas and research domains that impact the current ongoing efforts at VQEG.
- Webpage: <https://vqeg.org/projects/emerging-technologies-group-etg/>
- Previously, invited researchers from different domain to know about the VQEG and also to give a talk VQEG.
- Main areas we explored:
 - ML based compression, quality assessment and enhancement.
 - Greening of streaming.

Invited talks

- On the work by MPEG Systems Smart Contracts for Media Subgroup
- Introduction to NTIRE Workshop on Quality Assessment for Video Enhancement
- Perception: The Next Milestone in Learned Image Compression
- Compression with Neural Fields
- Sustainable/Green Video Streaming
- Panel discussion at VQEG Spring Meeting
 - Presentations:
 - Towards Real-Time 4K Image Super-Resolution (Marcos Conde, University of Würzburg)
 - Learned-based image/video compression (David Minnen, Google)
 - Panel Discussion
 - Zhi Li (Netflix), Ioannis Katsavounidis (Meta), Richard Zhang (Adobe), Mathias Wien (RWTH Aachen).

Presentations

- Quality Assessment of AI Generated/Modified Content
Presentation **205**, Thursday (Dec 21) Session 2.

Contact

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