

Immersive Media Group



- **Mission:** Quality assessment of immersive media
 - 360-degree content, virtual/augmented/mixed reality, light field/plenoptic content, 3D content (stereo, multiview, FVV, etc.), HDR...
- **Goals:** Baseline quality assessment of today's systems
 - **Datasets** of immersive media content
 - **QoE guidelines, subjective test methods, objective metrics, etc.**
- **Activities:**
 - Further data analyses from the cross-lab tests with short 360-degree videos and for 360-degree long videos (ITU).
 - Test plan: Evaluation of immersive/interactive communication systems.
- Email reflector: img@vqeg.org
- For questions contact the chairs:
 - Jesús Gutiérrez (Universidad Politécnica de Madrid): jesus.gutierrez@upm.es
 - Pablo Pérez (Nokia, eXtended Reality Lab): pablo.perez@nokia.com
 - Zhenzhong Chen (Wuhan University): zzchen@whu.edu.cn

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Presentations (Wednesday and Thursday)

- 209 – “**Light field** quality assessment datasets - what is missing?”, Maria Martini (Kingston University London).
- 210 – “A new **light field** quality assessment dataset”, Maria Martini (Kingston University London).
- 211 – “Status and summary of IEEE recommended practice for the quality assessment of **light field** imaging”, Maria Martini (Kingston University London).
- 224 – “Behavioural Analysis in a **6-DoF VR** System: Influence of Content, Quality and User Disposition”, Silvia Rossi (CWI).
- 226 – “Subjective QoE Evaluation of User-Centered Adaptive Streaming of **Dynamic Point Clouds**”, Shishir Subramanyam (CWI).
- 228 – “UX and QoE aspects of **remote control operations** using a laboratory platform (work in progress)”, Shirin Rafiei (RISE Research Institutes of Sweden).
- 229 – “**IMG next joint effort**”, Jesús Gutiérrez and Pablo Pérez (Universidad Politécnica de Madrid and Nokia).
- 231 – “PointPCA: **Point Cloud** Objective Quality Assessment Using PCA-Based Descriptors”, Irene Viola (CWI).
- 232 – “Comparing ACR, SSDQE, and SSCQE in **long duration 360-degree videos**”, Marta Orduna (Universidad Politécnica de Madrid).
- 234 – “Video Quality Assessment based on **Quality Aggregation Networks**”, Yaosi Hu and Zhenzhong Chen (Wuhan University).
- 236 – “D-JNDQ: From Just Noticeable Differences to (**HDR&SDR**) Image (and Video) Quality”, Ali Ak (Nantes Université).

VQEG @ ACM SIGMM Records

- SIGMM Records are the SIG Multimedia's quarterly newsletter.
 - Provide an opportunity to publish information about successful research and background stories.
- Available as an ACM newsletter series with the ISSN 1947-4598 in:
 - SIGMM website at <http://sigmm.org>, Records website <http://records.sigmm.org>, the [ACM Digital Library](#).
- One of the sections of the Records is related to **reports from standardization organizations**: MPEG, JPEG, and VQEG.
- Good possibility to **disseminate VQEG activities**: 4 issues/year (Mar., Jun., Sep., Dec.)
 - 2 issues per year reporting on plenary meetings
 - 2 issues related to any other topic going on within VQEG
- Any ideas are welcome → Send email to jesus.gutierrez@upm.es and kjell.brunnstrom@ri.se

VQEG @ ACM SIGMM Records

- Up to now (from June 2020): **7 columns**
 - **Last column** on September 2022: Report of the VQEG plenary meeting in Rennes (May 2022)
 - <https://records.sigmm.org/2022/10/19/vqeg-column-vqeg-meeting-may-2022/>



- **Next publication:** Dec. 2022 → Report on this meeting.
- **Ideas on topics for Mar. 2023 are welcome!**