

Emerging *Multimedia* Systems 2026

Co-located with ACM CoNEXT 2026 · Utrecht, The Netherlands · December 7–10, 2026

Deadline: July 14, 2026

Venue: Utrecht, Netherlands

Full & Lightning papers

ACM CoNEXT 2026



CALL FOR SUBMISSIONS

Multimedia drives Internet evolution — from CDNs and compression to streaming protocols. With the rise of XR, real-time telepresence, AI-generated content, and video analytics, it is undergoing a fundamental shift. As next-generation immersive technologies evolve, revisiting techniques for new formats is essential to enhance performance, energy efficiency, and Quality of Experience (QoE). This workshop brings together experts in video streaming, source coding, rate adaptation, networked systems, volumetric media, AR/VR, and QoE optimization to identify challenges and opportunities in advanced networked multimedia systems. It continues the EMS workshop series from ACM SIGCOMM.

TOPICS OF INTEREST

Topics of interest include (but are not limited to) the following:

- Networked systems for immersive content capture, streaming, and display
- Networked systems for AI-driven video applications
- Networked systems for multimedia generative AI
- Machine learning for emerging multimedia distribution
- Emerging multimedia systems for novel content formats
- Volumetric video delivery on the Internet
- Ultra-low-latency networking for multimedia applications
- High-throughput transport and distribution for emerging media
- Adaptive streaming under network/user constraints for immersive media
- Novel content distribution network for AR/VR applications
- Management of AR/VR networked systems
- Wireless and mobile immersive systems
- AR/VR applications in current (5G) and future (6G) wireless networks
- Compression and transmission design for 3D content
- Edge cloud systems for immersive experiences
- Quality of Experience in emerging multimedia systems
- Energy efficiency in emerging multimedia systems

SUBMISSION TYPES

Full research papers

New, unpublished research with full evaluation.
Max **6 pages** incl. figures, tables & references.

Lightning papers

Early, ongoing, or previously published updates. Presented & published in proceedings.
Max **2 pages** + 1 page references.

IMPORTANT DATES

PAPER SUBMISSION

July 14, 2026

ACCEPTANCE NOTIFICATION

Aug 26, 2026

CAMERA-READY

Sep 21, 2026

WORKSHOP CO-CHAIRS

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VENUE

Utrecht, The Netherlands

December 7–10, 2026

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