

Workshop Summary

Extended Reality (XR), including AR/VR/MR, has quickly become a sensor-rich computing platform. Modern headsets capture signals such as eye images, gaze, face/hand tracking, voice, and inertial data which has enabled new forms of personalization and authentication. At the same time, rapid progress in generative AI introduces both new opportunities (e.g. simulation, synthetic data, personalized avatars) but also serious risks like spoofing, identity leakage, surveillance, and consent concerns.

GenXR-ID brings together researchers working across generative models, XR sensing/systems, and biometric identity, privacy, and security. The workshop will feature invited talks, peer-reviewed paper presentations, a panel discussion, and the release of a new multimodal XR dataset to help seed future benchmarks and competitions.

We invite both long archival paper and short non-archival paper submissions that meaningfully connect at least two of these three core areas:

Generative AI, XR/AR/VR, and Identity/Biometrics/Security/Privacy

Topics of Interest

We welcome submissions on topics including (but not limited to):

XR biometrics & identity

- Eye/iris/gaze-based biometrics; behavioral biometrics in XR
- Continuous authentication for head-mounted devices
- Multimodal identity verification using within-headset sensors

Generative AI for XR (benefits and risks)

- Generative models for XR personalization, avatars, and simulation
- Synthetic data generation for XR sensing and biometric evaluation
- Generative spoofing attacks and defenses for XR identity signals

Privacy, security, and responsible AI

- Privacy-preserving learning/generation (e.g., federated learning, differential privacy)
- Adversarial robustness and threat modeling for XR authentication pipelines
- Fairness, transparency, consent, and governance for biometric XR data

- Datasets, benchmarks, and evaluation protocols for trustworthy XR identity systems

Paper Tracks

Track A: Archival Papers (Published in Proceedings)

- **Length/format:** Up to **8 pages** (excluding references) using the CVPR 2026 template
- **Reviewing:** Double-blind peer review
- **Publication:** Accepted papers will appear in the CVPR 2026 Workshop Proceedings
- **Presentation:** All accepted archival papers will be presented at the workshop as either a spotlight or a lightning talk (see “Presentation Format” below)

Track B: Non-Archival Short Papers (Presentation-Only)

- **Length/format:** Up to 4 pages (excluding references) using the CVPR 2026 template
- **Reviewing:** Double-blind peer review
- **Publication:** Non-archival (not included in CVPR/IEEE proceedings). Authors are welcome to submit work-in-progress, recent results, negative results, or early ideas.
- **Presentation:** Accepted non-archival papers will also be scheduled for spotlight or lightning presentation.

Presentation Format

To keep the program lively and ensure every accepted paper is seen by the audience, we plan talk-only sessions (no poster session is planned). The tentative presentation plan is listed below:

- **Spotlight talks:** A small set of top-ranked papers will be selected for spotlight presentation (~6-8 minutes per paper, plus session Q&A).
- **Lightning talks:** Remaining accepted papers will be presented as lightning talks (typically ~2-3 minutes per paper, plus session Q&A).
- Spotlight vs. lightning will be determined based on reviewer scores, program constraints, and selection by the program committee.
- At least **one author per accepted paper is expected to present in person** at CVPR. (Hybrid/remote options, if any, will follow CVPR workshop guidance and may be limited.)

- **Registration:** Per CVPR policy, presenters must be registered.

If you anticipate any attendance constraints, please contact the organizers early.

Submission Instructions

- **Submission platform:** OpenReview:
<https://openreview.net/group?id=thecvf.com/CVPR/2026/Workshop/GenXR-ID>
- **Anonymity:** Submissions must be **anonymized** for double-blind review following CVPR guidelines.
- **Templates:** Use the official CVPR 2026 paper template
- **Supplementary material:** Allowed (optional) via OpenReview, due at time of submission.

Important Dates

All deadlines are **11:59 PM Eastern Time** unless noted.

- **Submission site opens:** Tuesday, Mar 3, 2026
- **Paper submission deadline (both tracks):** Tuesday, Mar 17, 2026
- **Reviewer assignment:** Wednesday, Mar 18, 2026
- **Reviews due:** Saturday, Mar 21, 2026
- **Notifications to authors:** Monday, Mar 23, 2026

Review Process

Each submission will receive multiple reviews from the program committee, with efforts to include at least one senior reviewer per paper. Final decisions will be made by the organizers.