

FT: Surveillance-by-Design XR

PART I — FORESIGHT SNAPSHOT | FT: Surveillance-by-Design XR | Fixed Time-Stamped Synthesis

2026 FT: Surveillance-by-Design XR

Card Type	Future Technology Possibility
Series	Immersive Futures Guild — Vision 2035
Layer	1 — Atomic Foresight Object
Status	Active
Confidence	Medium
Workshop	Circle of Scholars — January 2026
Facilitator	Circle of Scholars Workshop Team
Tags	surveillance biometrics privacy layer1 ft
Tally.so Form	https://tally.so/r/ilrn-if-ft-survxr-2026

As XR hardware becomes more capable of continuous biometric sensing, platforms and institutions face design choices about whether to build surveillance capacity into immersive learning systems by default. Surveillance-by-design refers to architectures that treat learner behavioral and biometric data as a core product feature rather than an opt-in capability. This card tracks the development trajectory of these architectures and the regulatory and community resistance to them.

Key Drivers / Contributing Conditions:

- Biometric hardware normalization in consumer headsets
- Commercial incentives for behavioral data monetization
- Weak regulatory frameworks for educational biometric data

Tensions Carried Forward to Part II:

- Where is the boundary between adaptive personalization and surveillance in immersive systems?

- Can surveillance-by-design be governed by consent frameworks when it is built into the hardware?

Linked Scenarios / Strands: SC: Ethics Privacy & Bodily Autonomy | SCENARIO: Extractive Surveillance | STRAND: Ethical Multimodal Analytics

Ways of Knowing: Tree · Garden · Lantern

PART II — COMMUNITY EVIDENCE & DIALOGUE TRACK | FT: Surveillance-by-Design XR | H2 2026 — Living

T	<p>COMMUNITY CONTRIBUTION FORM — FT: Surveillance-by-Design XR</p> <p>Submit case examples, methodological challenges, cultural perspectives, and proposed evidence criteria via: https://tally.so/r/ilrn-if-ft-survvr-2026</p>
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Part II — Scope and Instructions
This section collects community responses, case examples, and challenges to the Part I foresight snapshot above.
It opens July 1, 2026 and undergoes synthesis review in September 2026, November 2026, and January 2027.
Contributions are submitted via the Tally.so form above and appear in the registers below after editorial review.
The Part I text is not modified in response to Part II contributions; it is versioned at the Annual Handoff review.
Contribution categories: Case Example Methodological Challenge Cultural/Community Perspective Proposed Evidence Criterion
Ways of Knowing accepted: Tree (evidence) Garden (practice) Lantern (futures)

Tensions Open for Community Response:

- Where is the boundary between adaptive personalization and surveillance in immersive systems?
- Can surveillance-by-design be governed by consent frameworks when it is built into the hardware?

Contributor / Date	Category	Way of Knowing	Contribution Summary
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[Awaiting contributions — form opens July 1, 2026]			
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Revision #1

Created 25 May 2026 20:25:23 by Jonathon Richter

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