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|  | Moving Picture, Audio and Data Coding by Artificial Intelligence  www.mpai.community |

**Public document**

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**MPAI calls for new members to support its standard development plans**

Geneva, Switzerland – 23 November 2022. Today the international, non-profit, unaffiliated Moving Picture, Audio and Data Coding by Artificial Intelligence (MPAI) standards developing organisation has concluded its 26th General Assembly (MPAI-26). MPAI is calling for new members to support the development of its work program.

Planned for approval in the first months of 2023 are 5 standards and 1 technical report:

1. [**AI Framework (MPAI-AIF)**](https://mpai.community/standards/mpai-aif/). Standard for a secure AIF environment executing AI Workflows (AIW) composed of AI Modules (AIM).
2. [**Avatar Representation and Animation (MPAI-ARA)**](https://mpai.community/standards/mpai-ara/). Standard for generation and animation of interoperable avatar models reproducing humans and expressing a Personal Status.
3. [**Context-based Audio Enhancement (MPAI-CAE)**](https://mpai.community/standards/mpai-cae/). Standard to describe an audio scene to support human interaction with autonomous vehicles and metaverse applications.
4. [**Multimodal Conversation (MPAI-MMC)**](https://mpai.community/standards/mpai-cav). Standard for Personal Status generalising the notion of Emotion including Cognitive State and Social Attitude.
5. [**MPAI Metaverse Model (MPAI-MMM)**](https://mpai.community/standards/mpai-mmm/). Technical Report covering the design, deployment, operation, and interoperability of Metaverse Instances.
6. [**Neural Network Watermarking (MPAI-NNW)**](https://mpai.community/standards/mpai-nnw/). Standard specifying methodologies to evaluate neural network-based watermarking solutions

The MPAI work plan also includes exploratory activities, some of which are close to becoming standard or technical report projects:

1. [**AI Health**](https://mpai.community/standards/mpai-aih/) **(MPAI-AIH)**. Targets an architecture where smartphones store users’ health data processed using AI and AI Models are updated using Federated Learning.
2. [**Connected Autonomous Vehicles**](https://mpai.community/standards/mpai-cav/) **(MPAI-CAV)**. Targets the Human-CAV Interaction Environment Sensing, Autonomous Motion, and Motion Actuation subsystems implemented as AI Workflows.
3. [**End-to-End Video Coding**](https://mpai.community/standards/mpai-eev/) **(MPAI-EEV)**. Extends the video coding fronties using AI-based End-to-End Video coding.
4. [**AI-Enhanced Video Coding**](https://mpai.community/standards/mpai-evc/) **(MPAI-EVC)**. Improves existing video coding with AI tools for short-to-medium term applications.
5. [**Server-based Predictive Multiplayer Gaming**](https://mpai.community/standards/mpai-spg/) **(MPAI-SPG)**. Uses AI to train neural networks that help an online gaming server to compensate data losses and detects false data.
6. [**XR Venues**](https://mpai.community/standards/mpai-xrv/) **(MPAI-XRV)**. Identifies common AI Modules used across various XR-enabled and AI-enhanced use cases where venues may be both real and virtual.

It is a good opportunity for legal entities supporting the MPAI mission and able to contribute to the development of standards for the efficient use of data to [join MPAI](https://mpai.community/how-to-join/join/) now, also considering that membership is immediately active and will last until 2023/12/31.

Please visit the [MPAI website](https://mpai.community/), contact the [MPAI secretariat](mailto:secretariat@mpai.community) for specific information, subscribe to the MPAI Newsletter and follow MPAI on social media: [LinkedIn](https://www.linkedin.com/groups/13949076/), [Twitter](https://twitter.com/mpaicommunity), [Facebook](https://www.facebook.com/mpaicommunity), [Instagram](https://www.instagram.com/mpaicommunity/), and [YouTube](https://www.youtube.com/c/MPAIstandards).

Most importantly: please [join MPAI](https://mpai.community/how-to-join/join/), share the fun, build the future.