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

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**MPAI receives technologies for its AI framework standard and calls for technologies supporting audio and human-machine conversation**

Geneva, Switzerland – 17 february 2021. At its 5th General Assembly, Moving Picture, Audio and Data Coding by Artificial Intelligence (MPAI), an international, unaffiliated standards association

1. Has kicked off work on its AI Framework (MPAI-AIF) standard after receiving substantial proposed technologies.
2. Is calling for technologies to develop two standards related to audio (MPAI-CAE) and multimodal conversation (MPAI-MMC).
3. Will soon be developing the Framework Licence for the next maturing project “Compression and Understanding of Industrial Data” (MPAI-CUI).

MPAI has reviewed responses to the call issued 2 months ago for tech­nologies supporting its [**AI Framework**](https://mpai.community/standards/mpai-aif/) (MPAI-AIF) standard. The goal is to enable creation and automation of mixed Mach­ine Learning (ML) - Artificial Intelligence (AI) - Data Proces­sing (DP) and inference workflows, implemented as software, hardware or mixed software and hardware. MPAI-AIF will offer extended explainability to applications conforming to MPAI standards. The submissions received are enabling MPAI to develop the inten­ded standard whose publication is planned for July 2021.

MPAI has issued two Calls for Technologies supporting two new standards:

1. The [**Context-based Audio Enhancement**](https://mpai.community/standards/mpai-cae/) (MPAI-CAE) standard will improve the user exper­ien­ce for several audio-related applications in a variety of contexts such as in the home, in the car, on-the-go, in the studio etc. Examples of use are adding a desired emotion to a speech without emotion, preserving old audio tapes, improving the audioconference experience and removing unwanted sounds while keeping the relevant ones to a user walking in the street.
2. The [**Multimodal Conversation**](https://mpai.community/standards/mpai-mmc/) (MPAI-MMC) standard will enable a human-mach­ine conver­sation that emulates human-human conversation in completeness and intensity by using AI. Examples of use are an audio-visual conversation with a machine where the machine is imper­sonated by a synthesised voice and an animated face, a request for information about an object while displaying it, a human question to a machine translated using a voice preserving the speech features of the human.

The content of the two Calls for Technologies will be introduced at [two online conferences](https://mpai.community/how-to-join/calls-for-technologies/). Attendance is open to interested parties.

MPAI has developed the functional requirements for the [**Compression and Understanding of In­dustrial Data**](https://mpai.community/standards/mpai-cui/) (MPAI-CUI) and, by decision of the General Assembly, MPAI Active Members may now develop the Framework Licence to facilitate the actual licences – to be developed outside of MPAI. The standard will be used to assess the risks faced by a company by using information from the flow of data produced.

The MPAI web site provides information about other AI-based standards being developed: [**AI-Enhanced Video Coding**](https://mpai.community/standards/mpai-evc/) (MPAI-EVC) will improve the performance of existing video codecs, [**Integrative Genomic/Sensor Analysis**](https://mpai.community/standards/mpai-gsa/) (MPAI-GSA) will compress and understand the res­ults of combining genomic experiments with those produced by related devices/sensors, and [**Server-based Predictive Multiplayer Gaming**](https://mpai.community/standards/mpai-spg/) (MPAI-SPG) will improve the user experience of online multiplayer game players.

MPAI develops data coding standards for applications that have AI as the core enabling technology. Any legal entity who supports the MPAI mission may [join MPAI](https://mpai.community/how-to-join/join/) if it is able to contribute to the development of standards for the efficient use of data.

Visit the [MPAI web site](https://mpai.community/) and contact the [MPAI secretariat](mailto:secretariat@mpai.community) for specific information.