

5.5 Resolution to create the Working Group on Artificial Intelligence and Machine Learning.

In view of:

- the proposal submitted by the USA Liaison Committee for the consideration of the 33rd IUPAP General Assembly to create a Working Group on Artificial Intelligence and Machine Learning,
- the resolution of the 33rd IUPAP General Assembly to postpone a decision in this regard in view of the rejuvenation process that the IUPAP was then about to start,
- the fact that Artificial Intelligence (AI) and Machine Learning (ML) are a matter of study and development within several physics subfields,
- that AI and ML touch on multiple aspects of the scientific endeavor including, but not exhausting, scientific research and practice and science education with important ethical implications,

the 34th IUPAP General Assembly resolves to create a Working Group on Artificial Intelligence and Machine Learning with the following mandate:

- To analyze the multiple aspects that AI and ML involve and affect,
- To make a recommendation on the aspects that IUPAP should prioritize for its future actions related to the matter and the ways in which it should address the issue.

In issuing these recommendations, special care should be taken on how to move forward without disrupting the work on these subjects that is currently done in existing IUPAP Commissions. In this regard, it is important that the WG liaise with these Commissions to achieve a sensible and feasible recommendation.