



October 21-25, 2019, Mexico City - UNAM

Artificial Intelligence for Science, Industry and Society (AISIS2019)

First bulletin
— January 2019 —

Dear colleagues, it is our pleasure to announce the Symposium: Artificial Intelligence for Science, Industry and Society (AISIS2019) that will take place in Mexico City, Mexico, from 21st to 25th October 2019. The symposium is organised jointly by CERN openlab (<http://openlab.cern>) and the Universidad Nacional Autonoma de Mexico (UNAM, <https://www.unam.mx>), and it includes a session organised by the OECD (Paris, <http://www.oecd.org>) about policy and social issues linked to AI. The conference website is at <http://epistemia.nucleares.unam.mx/web?name=AISIS2019>

Scope

We organize an international symposium that will address the following topics:

- *Reinforcement learning* – from pattern recognition to experience driven decision making;
- Natural language processing, simultaneous translation;
- The teaching of ML and quantum computing at different levels;
- The requirements of computing resources in the different domains and scientific disciplines ;
- The future of large data analytics;
- Collaborative systems and human-machine interactions;
- Algorithmic game theory and computational social choice;
- Quantum and classical algorithms for deep learning and AI;
- The perspectives beyond the current horizon;

The symposium will devote special attention to the following ethical and societal issues:

- Transparency: to which extent is possible to explain and verify the algorithms;
- Choice assistance: can AI provide appropriate support for user choice?
- Governance and control: can AI powered systems be still controlled by humans?

- Security, robustness and dependability of AI networks;
- Safety: how to make sure that AI systems do not cause harm to humans or property;
- Privacy: how to ensure data protection in the AI world;
- Ethics and accountability: respect of human value and attribution of responsibility;
- Policy-regulated access to data – what data is accessible to machines, and under what licencing arrangements (data is a vital input to the process of machine learning)
- New policies and regulatory tools to be developed in order to address new needs related to digitalisation, open science, and open innovation

The Symposium will be organised in 5 plenary session for invited talks, 2 parallel tracks for a total of 8 sessions for contributed talks, and dedicated poster sessions.

Prizes for the best poster will be awarded.

The venue

The symposium will take place at the main campus of the Universidad Autónoma de Mexico.

The registration fee and registration

The registration fee for the symposium will be 500 US dollars. A reduced fee of 450 US dollars applies if paid before the 31st of May 2019. The fee includes a welcome drink, lunches, coffee breaks, and the conference banquet.

A limited number of fellowships will be available for young participants. The conditions will be defined on the main web site of the Symposium.

Registration will open on the 1st of February 2019 at <https://indico.cern.ch/e/aisis2019>

Call for abstracts

The call for abstracts for contributed talks and posters will open on the 1st of February 2019. The closing date for submitting abstracts is on the 15th of July 2019.

Proceedings

Conference proceedings will be published in electronic form on an open access journal.

Contact

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