

International Conference on



Artificial Intelligence and Machine Learning applied to Health Sciences (MLHS)





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1. Introduction

Since the 1970s decade the use of Artificial Intelligence (AI) has become more and more popular in Health Sciences. The first applications of AI on Health Sciences consisted on Expert Systems. Machine Learning (ML) is an emerging scientific discipline and has applications in many areas including Health Sciences. The main use of ML in Health Sciences consist on the development of predictive models for disorder detection, especially for early diagnosis, based on data although there are other applications such as feature dimensionality reduction.

Nowadays, ML is the most popular component of many innovative software developments for Health Sciences, where large amounts of data are providing medical scientists, healthcare providers and drug makers with a treasure that can be used to derive insights. As ML techniques are applied to big data there is the potential for tremendous innovations in Health Sciences.

This session provides an interesting opportunity to present and discuss the latest theoretical advances and real-world applications in Artificial Intelligence and Machine Learning applied to Health Sciences, including among others, the following topics:

Forecasting models.

Personal health virtual assistant.

Advanced analytics and research.

Healthcare bots.

Machine learning applications in genetics and genomics.

Monitoring support.

Detection of patients anomalous status.

2. Co-Chairs

Francisco Javier de Cos Juez - University of Oviedo (Spain)

Alastair Basden University of Durham (UK)

Jose Luis Calvo Rolle – University of La Coruña (Spain)

Francisco Javier Moreno Arboleda - Universidad Nacional de Colombia (Colombia)

Juan Albino Mendez – University of La Laguna (Spain)

Fernando Sánchez Lasheras - University of Oviedo (Spain)

3. Important Dates

<http://soco.unileon.es/special-sessions/>



4. Contact Information

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Soft Computing Methods in Manufacturing and Management Systems