Contribution ID: **29**   Type: **not specified**

Cosmic cartography with Artificial Intelligence

Wednesday, 9 March 2022 09:00 (20 minutes)

Estimating distances to galaxies is one of the key steps in the creation of LSS maps of the Universe. This is however a complex and expensive task and remains the main limiting factor in LSS analysis. In this talk I will show how using techniques based on our knowledge of LSS development and recent advances in artificial intelligence we can create maps of the distribution of galaxies with unprecedented accuracy and completeness. In order to fully appreciate these 3D maps I will present a virtual reality application that allows full interactive exploration of galaxy maps.

Presenter: ARAGON, Miguel (UNAM)

Session Classification: Day 3 Morning