

SOLARNET Conference: The Many Scales of the Magnetic Sun

Friday 12 May 2023

Innovative ways of data analysis, data handling, machine learning, and big data (09:15-11:20)

-Conveners: Ioannis Kontogiannis

time	[id] title	presenter
09:15	[116] Data Analysis Tools	Dr BELLO GONZALEZ , Nazaret
09:40	[18] Classification Scheme for High-resolution Spectra Using Machine Learning Algorithms	Dr DINEVA, Ekaterina
09:55	[69] Atomic lines parameters inference using a global spectropolarimetric inversion	Mr VUKADINOVIĆ, Dušan
10:10	[14] Machine Learning methods for solar spectroscopy and imaging	ASENSIO RAMOS, Andrés
10:35	coffee break	

Innovative ways of data analysis, data handling, machine learning, and big data (11:20-14:20)

-Conveners: Meetu Verma

time	[id] title	presenter
11:20	[83] Identification of large scale resonant modes in sunspots in the lower solar atmosphere	STANGALINI, Marco
11:45	[61] Physics-informed neural networks for solar magnetic field simulations	JAROLIM, Robert
12:00	[72] Generative deep learning with high-resolution SDO EUV images of the Sun	EFFENBERGER, Frederic
12:15	[75] Time-normalized plasma flow mapping during the quadrature of SolO and SDO	Dr MURO, Gabriel