

Session Program

28 April 2023

MAP-Fis Essays Workshop

MAP-Fis Essays Presentations

Zoom Video Conference Room
Zoom Video Conference Room

Friday 28 April

09:30

MAP-Fis Essays Presentations

Session | **Location:** Zoom Video Conference Room, Zoom Video Conference Room

09:30–09:55

Nanoprinted light cage interfaced with optical fiber: a platform for sensing applications

Speaker

Ms Diana Sofia Antunes Pereira

09:55–10:20

Galaxies Rotation Curve and Dark Matter in the Context of Non-Minimal Coupled Theories of Gravity

Speaker

Mr Luís Felipe Martins de Almeida Morena Reis

10:20–10:45

Theory and modelling of two-dimensional materials and hybrid structures for nanophotonics

Speaker

Mr Diogo Filipe Pinto Cunha

10:45

14:00

MAP-Fis Essays Presentations

Session | **Location:** Zoom Video Conference Room, Zoom Video Conference Room

14:00–14:25

Innovative physics-informed machine learning algorithms to improve wind energy forecasting

Speaker

Mr Nuno Manuel Rocha Monteiro

14:25–14:50

Future Climate Wildfire Modelling using the Atmosphere-Fire coupled model WRF-SFIRE under different Landscape management scenarios

Speaker

Mr Ricardo Jorge Santos Vaz

14:50–15:15

Color centers in diamond for neuronal signaling studies

Speaker

Mr João Paulo Silva

15:15