

## **Session Program**

**23 September 2022**

# **Kickoff Meeting on the Machine Learning Group of the Workshop on Compact Objects, Gravitational Waves and Deep Learning**

## ***Advanced Materials Science***

University of Minho, Braga, Anfiteatro da Escola de Ciências  
Universidade do Minho Campus de Gualtar 4710 - 057 Braga

# Friday 23 September

14:15

## Advanced Materials Science

**Session** |

**Location:** University of Minho, Braga, Anfiteatro da Escola de Ciências, Universidade do Minho Campus de Gualtar 4710 - 057 Braga

14:15-14:45

### Overview

**Speaker**

Prof. Bernardo Almeida

14:45-15:00

### Probing Electrostructural Coupling on Magnetoelectric CdCr<sub>2</sub>S<sub>4</sub>

**Speaker**

Dr Gonçalo Oliveira

15:00-15:15

### EFFECT OF LA SUBSTITUTION ON TB<sub>5</sub>SI<sub>2</sub>GE<sub>2</sub> COMPOUND: STRUCTURAL AND MAGNETIC PROPERTIES

**Speaker**

Dr João Horta Belo

15:15

16:00

## Advanced Materials Science

**Session** |

**Location:** University of Minho, Braga, Anfiteatro da Escola de Ciências, Universidade do Minho Campus de Gualtar 4710 - 057 Braga

16:00-16:15

### Ordered arrays of electrodeposited nanowires and nanotubes: comparing magnetic properties

**Speaker**

Dra. Mariana Proença

16:15-16:30

### Hematite nanowires for solar water splitting: development and structure optimization

**Speaker**

Dr João Azevedo

16:30-16:45

### Critical behaviour of a three-dimensional hardcore cylinders composite system

**Speaker**

Dr Jaime Silva

16:45-17:00

### Dynamic Electronic Interactions at Nanoscopic Scale

**Speaker**

Dr Marcelo Barbosa

17:00-17:15

### Exchange coupled donor dimers in nanocrystal quantum dots

**Speaker**

Dr António José Almeida

17:15