

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

Report of Contributions

Contribution ID: 0

Type: **not specified**

Overview

Friday 23 September 2022 08:30 (30 minutes)

Presenter: Prof. CRESPO, Helder (Universidade do Porto)

Session Classification: Optics and Photonics

Contribution ID: 1

Type: **not specified**

Signal Pulse Distortion Induced by Stimulated Raman Scattering in High Power Double-Clad Fiber Amplifiers

Friday 23 September 2022 09:00 (15 minutes)

Presenter: Dr MELO, Miguel (Universidade do Porto)

Session Classification: Optics and Photonics

Contribution ID: 2

Type: **not specified**

Ultrafast graphene carrier dynamics and nonlinear properties

Friday 23 September 2022 09:15 (15 minutes)

Presenter: Dr SILVA, Francisco (Universidade do Porto)

Session Classification: Optics and Photonics

Contribution ID: 3

Type: **not specified**

Simultaneous compression and characterization of ultrashort laser pulses

Friday 23 September 2022 09:30 (15 minutes)

Presenter: MIRANDA, Miguel (Universidade do Porto)

Session Classification: Optics and Photonics

Contribution ID: 4

Type: **not specified**

Talk 4

Contribution ID: 5

Type: **not specified**

Overview

Friday 23 September 2022 10:15 (30 minutes)

Presenter: Prof. COSTA, Miguel (Universidade do Porto)

Session Classification: Gravitation, Cosmology and Particle Physics

Contribution ID: 6

Type: **not specified**

n-DBI Gravity

Friday 23 September 2022 10:45 (15 minutes)

Presenter: Dr SOUSA COELHO, Flávio (Universidade de Aveiro)

Session Classification: Gravitation, Cosmology and Particle Physics

Contribution ID: 7

Type: **not specified**

Conformal Regge Theory

Friday 23 September 2022 11:00 (15 minutes)

Presenter: Dr GONÇALVES, Vasco (Universidade do Porto)

Session Classification: Gravitation, Cosmology and Particle Physics

Contribution ID: 8

Type: **not specified**

Talk 3

Contribution ID: 9

Type: **not specified**

Talk 4

Contribution ID: **10**

Type: **not specified**

Overview

Friday 23 September 2022 13:30 (30 minutes)

Presenter: Prof. DUBERT, Jesus (Universidade de Aveiro)

Session Classification: Meteorology and Oceanography

Contribution ID: 11

Type: **not specified**

A high-resolution modeling study of the Western Iberian Margin mean and seasonal upper ocean circulation

Friday 23 September 2022 14:00 (15 minutes)

Presenter: PIRES, Dra. Ana Cordeiro (Universidade de Aveiro)

Session Classification: Meteorology and Oceanography

Contribution ID: 12

Type: **not specified**

Talk 2

Contribution ID: 13

Type: **not specified**

Talk 3

Contribution ID: 14

Type: **not specified**

Talk 4

Contribution ID: 15

Type: **not specified**

Tracking the emergence of cooperation in complex networked populations

Friday 23 September 2022 11:45 (15 minutes)

Presenter: Dr PINHEIRO, Flávio (Universidade do Minho)

Session Classification: Physics of Complex Networks

Contribution ID: **16**

Type: **not specified**

Talk 2

Contribution ID: 17

Type: **not specified**

Overview

Friday 23 September 2022 14:15 (30 minutes)

Presenter: Prof. ALMEIDA, Bernardo (Universidade do Minho)

Session Classification: Advanced Materials Science

Contribution ID: **18**

Type: **not specified**

(no title)

Contribution ID: 19

Type: **not specified**

EFFECT OF LA SUBSTITUTION ON TB₅SI₂GE₂ COMPOUND: STRUCTURAL AND MAGNETIC PROPERTIES

Friday 23 September 2022 15:00 (15 minutes)

Presenter: Dr HORTA BELO, João (Universidade do Porto)

Session Classification: Advanced Materials Science

Contribution ID: 20

Type: **not specified**

Probing Electrostructural Coupling on Magnetoelectric CdCr₂S₄

Friday 23 September 2022 14:45 (15 minutes)

Presenter: Dr OLIVEIRA, Gonçalo (Universidade do Porto)

Session Classification: Advanced Materials Science

Contribution ID: 21

Type: **not specified**

Talk 4

Contribution ID: 22

Type: **not specified**

Invited Talk

Friday 23 September 2022 17:15 (30 minutes)

Presenter: Prof. FREITAS, Paulo (INL)

Session Classification: Final Remarks and Closure

Contribution ID: 23

Type: **not specified**

Final Remarks

Friday 23 September 2022 17:45 (30 minutes)

Presenter: Prof. SCHMOOL, David (Universidade do Porto)

Session Classification: Final Remarks and Closure

Contribution ID: 24

Type: **not specified**

Welcome

Friday 23 September 2022 10:00 (15 minutes)

Session Classification: Opening Session

Contribution ID: 26

Type: **not specified**

Overview Talk

Friday 23 September 2022 11:15 (30 minutes)

Presenter: Prof. GOLTSEV, Alexander (Universidade de Aveiro)

Session Classification: Physics of Complex Networks

Contribution ID: 27

Type: **not specified**

Hematite nanowires for solar water splitting: development and structure optimization

Friday 23 September 2022 16:15 (15 minutes)

Presenter: Dr AZEVEDO, João (Universidade do Porto)

Session Classification: Advanced Materials Science

Contribution ID: 28

Type: **not specified**

Ordered arrays of electrodeposited nanowires and nanotubes: comparing magnetic properties

Friday 23 September 2022 16:00 (15 minutes)

Presenter: PROENÇA, Dra. Mariana (Universidade do porto)

Session Classification: Advanced Materials Science

Contribution ID: 29

Type: **not specified**

Critical behaviour of a three-dimensional hardcore cylinders composite system

Friday 23 September 2022 16:30 (15 minutes)

Presenter: Dr SILVA, Jaime (Universidade do Minho)

Session Classification: Advanced Materials Science

Contribution ID: **30**

Type: **not specified**

Dynamic Electronic Interactions at Nanoscopic Scale

Friday 23 September 2022 16:45 (15 minutes)

Presenter: Dr BARBOSA, Marcelo (Universidade do Porto)

Session Classification: Advanced Materials Science

Contribution ID: 31

Type: **not specified**

Exchange coupled donor dimers in nanocrystal quantum dots

Friday 23 September 2022 17:00 (15 minutes)

Presenter: Dr ALMEIDA, António José (Universidade de Aveiro)

Session Classification: Advanced Materials Science

Contribution ID: 32

Type: **not specified**

Measurement of the third cumulant of electromagnetic field fluctuations

Presenter: Dr GOUVELA, José (Universidade de Aveiro)

Contribution ID: 33

Type: **not specified**

Hawking Radiation for Proca field