PRODEF DAY

Engineering Physics Doctoral Program

11 NOVEMBER, 2022, FEUP

FREE ENTRY

PROGRAM

09h00	Opening Session
09h10	Invited Talk by **Francisco Taveira Pinto** (Location: B031)
10h00	Oral Communications by ProDEF
11h00	Coffee Break
11h20	Oral Communications by ProDEF
12h30	Lunch + Posters
14h00	Invited Talk by **Ernesto Galvão** (Location: auditorium)
15h20	Oral Communications by ProDEF
16h30	Posters Flash Presentations by MEF
17h00	Coffee Break
17h20	Posters Flash Presentations by MEF
18h30	Awards session for best presentation and best poster

Marine Renewable Energy in a Changing Climate

09h10|B031

Francisco Taveira Pinto is a Full Professor at the Faculty of Engineering of the University of Porto, Director of the Civil Engineering Department of FEUP, President of the Board of the Hydraulics and Water Resources Institute and Director of the Hydraulics Laboratory.

He received his degree in Civil Engineering in 1989, his PhD in 2002 in Civil Engineering - Coastal Engineering and his Habilitation in 2007 all at FEUP. His research interests focus on coastal structures, physical modelling, coastal management, coastal dynamics and marine energy. He is author of more than 116 scientific publications in international journals.

Non-classicality and Quantum Information

14h00|Auditorium

Ernesto Galvão is the leader of Quantum and Linear-Optical Computation group at INL. He holds a PhD in Physics from University of Oxford and a postdoc in Theorical Physics at Perimeter Institute (Canada).

His research focus on different quantum computational models to identify and quantify resources capable of achieving a quantum advantage in information processing.

He is paritcularly interested in photonic implementations of quantum computers.

The **Nobel Prize in Physics 2022** was awarded jointly to Alain Aspect, John F. Clauser and Anton Zeilinger "for experiments with entangled photons, establishing the violation of Bell inequalities and pioneering quantum information science"