PhD
STEPCHANGE
seminar series

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Spain

AI ADVANCEMENTS IN HEATWAVE ANALYSIS: ATTRIBUTION, DETECTION, AND PREDICTION TECHNIQUES

ABSTRACT

Climate extremes analysis, detection, and prediction play a pivotal role in today's world. These activities enable early warnings and facilitate improved planning to mitigate the impact on crucial socio-economic sectors and ecosystems. The application of Artificial Intelligence techniques holds promise in enhancing our understanding of these phenomena and enabling more accurate predictions. By harnessing the power of AI, we can strive towards a better-prepared and resilient future in the face of climate challenges.

Event date:
July 24th, 2023

Time:
11:30 am

Location:
DEIB - building 21
Seminar Alario Room

BIOGRAPHY

Jorge Pérez-Aracil is an Assistant Professor at Universidad de Alcalá in Spain. He holds a Degree in Civil Engineering (2013), an MSc degree in Civil Engineering (2015), and an MSc degree in Artificial Intelligence (2022). Jorge was awarded a Ph.D. scholarship from the College of Engineering, Mathematics, and Physical Sciences, conducting his research at the University of Exeter, United Kingdom, and earning his Ph.D. degree in 2021. He is member of the research group GHEODE at the University of Alcalá, which focuses on the development and application of artificial intelligence to solve various scientific and engineering problems. He is part of the CLINT (Climate-Intelligence) research project, where he strives to study, detect, predict, and analyze the attribution of different extreme events.

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