

Challenges and Opportunities for AI and Data analytics in Offshore wind

Dr Ravi Pandit
University of Exeter, UK

Facultad de Informática

On-line <https://meet.google.com/nbt-tmou-tgh>
miércoles 17 de noviembre de 2021 - 17:00

Resumen:

As the world's energy demand rises, so does the amount of renewable energy, particularly wind energy, in the supply. The life cycle of wind farms starting from manufacturing the components to decommission stage involve significant involvement of cost and the application of AI and data analytics are on reducing these costs are limited. With this conference talk, the audience expected to know some of the interesting applications of AI and data analytics on offshore wind. And, also highlight the future challenges and opportunities. This conference could be useful for students, academics and researcher who want to make next career in offshore wind but yet know where to start.

Sobre Ravi Pandit:

Dr Ravi Pandit is currently Research Fellow in Data Science and Artificial Intelligence (IDSAI) at the Department of Computer Science, University of Exeter. Prior to that, he worked at the University of Strathclyde (2016-2020), UCLM, Spain (2018), Wood plc (2016-2017); Jadavpur University (2014-2016); VIT, Vellore (2011-2014) respectively. During his professional career, he received a number of prestigious and highly competitive research awards/fellowships (Travel Grant, Marie Curie Fellowship, Erasmus Mundas). He has published numerous papers in highly ranked journals and has presented my research at several international conferences and workshops. Overall, he has more than 10 years of academics and research experiences; with various reputed academics and industries through number of interdisciplinary projects. His research Areas/Interest are: Probabilistic machine learning, Bayesian non-parametric predictive models (e.g., Gaussian Process); Data analytics/ML for clean energy technologies (offshore winds, solar); Predictive maintenance & condition monitoring; Forecasting and Prediction : long-term and short-term and Big data statistical analysis: time-series, modelling.