

PHAROS Training Series - Course 10 "Time-Series Forecasting and Renewable Energy"

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Type: **not specified**

Concepts of Machine Learning & Deep Learning

Friday, 10 July 2026 12:10 (30 minutes)

This presentation introduces concepts of Machine Learning and Deep Learning, with a focus on time-series forecasting. The talk explains how systems can learn patterns from data and make predictions without relying on explicit programming. It then focuses on Deep Learning, which can model complex relationships in large datasets, with a special emphasis on forecasting models for time-series data. The webinar covers modern deep learning methods, including LSTMs, GRUs, Temporal Convolutional Networks and Transformers. Participants will gain a clear overview of how these models are used in real-world applications such as finance and energy.

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