



TUTORIAL:

NOVEL TENDENCIES ON MODELLING AND SIMULATION USING POWERFACTORY



TUTORIAL: Novel Tendencies on Modelling and Simulation using PowerFactory

September 12, 2024

(GMT-5) 09:00 - 12:00 hours

PLACE: Paraninfo Universitario - Main Hall

ADDRESS: Plaza de Armas del Cusco

This tutorial provides an excellent opportunity to gain a comprehensive view of the latest trends in modeling and scripting with DigSILENT PowerFactory. It is designed to give participants a thorough understanding of the topic, specialized skills acquisition, and an update on the latest advancements.

DETAIL CONTENT

- Tendencies for modelling and simulation in energy transition
- Dynamic modelling: Concept
- DIgSILENT Simulation Language (DSL) Framework
- Example of DSL framework Modelica: Concept and basics of discrete-time modelling.
- Example of Modelica framework
- Modelica modelling framework **DIGSILENT** in PowerFactoru
- Needs for scripting in power system analysis.
- DIgSILENT Programming Language (DPL) framework
- Example of DPL framework.
- Interfaces of PowerFactory to third-party software
- Co-simulation concept.
- Python API and Scripting in PowerFactory: Framework
- Example 1: Using Python API in PowerFactory (inside a
- Example 2: Using Python API in PowerFactory for remote control.
- Advantages/Disadvantages of using DPL versus Python.



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PAYMENT CATEGORY

Participant	Participation Rights
IEEE PES MEMBER	30 USD*
OPEN TO THE PUBLIC	50 USD*

*Price includes taxes

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CCI 00219100119145611757

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