

Wednesday, December 15th, 2021, 2PM to 5PM

IEEE WORKSHOP

IEEE Industrial Electronics Society - IEEE Power Systems Society - IEEE Control Systems Society

Swiss Chapters' co-hosted Virtual Event on:

Control Platforms, Tools & Innovations for the Energy Transition

WELCOME AND INTRODUCTION

14:00

► Dr. Luca Dalessandro, ETIX GmbH, Chairman IES Chapter, Vice-Chair IEEE Switzerland

► Dr. Silvia Bardi, Vice Chair PES Chapter

14:15

► Prof. Giancarlo Ferrari Trecate, EPFL, Chairman CSS Chapter

PRESENTATIONS

14:15
-
15:00

IES1

"Hoping for a miracle is not strategy: Some facts about the climate crises and what we can still do about it".

► Prof. Henrik Nordborg, OST

IES2

"Research Platforms for the Energy Transition at ETH Zurich: ReMaP, Nexus-e, PATHFNDP".

► Dr. Christian Schaffner, Energy Science Center, ETH Zurich

IES3

"Electric Vehicle performance and range estimation: how system simulation supports innovation".

► Mr. Lionel Broglia, Siemens Digital Industries Software

15:00
-
15:45

PES1

"Bringing AI to the edge - a federated machine learning simulation environment for load curve prediction on smart meters".

► Dr. Severin Nowak, HSLU

PES2

"Accelerating the energy transition using digital twin and hardware-in-the-loop".

► Dr. Nikola Fischer Celanovic, Typhoon-HIL GmbH

PES3

"Digital twin and application of AI in distribution grids".

► Prof. Bozorg Mokhtar, HEIG-VD

15:45
-
16:30

CSS1

"Benchmarking control developments in energy and buildings with NEST, an open district size living lab".

► Mr. Philipp Heer, EMPA

CSS2

"Vision of a Swiss innovation platform for automatic control in the energy transition".

► Mr. Benjamin Sawicki, NCCR Automation, ETH Zurich

CSS3

"Innovation to reduce the environmental impact of HV transmission lines: high-efficiency pressurized air cable technology".

► Dr. Walter Holaus, Hivoduct AG

PANEL DISCUSSION WITH SPEAKERS - Q&A

16:30
-
17:00

Moderator: Dr. Luca Dalessandro

Program & Registration

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(Zoom)

[**Click here**](#)