

# TechDay 2024 Conference

June 27<sup>th</sup>, 2024 | Novi Sad, Serbia



8:30 - 9:30 Registration with Coffee

## General Introduction

9:30 - 9:45 Welcome Note | Nikola Celanovic, CEO, **Typhoon HIL**

9:45 - 10:15 Keynote on Latest Developments | Dusan Majstorovic, CTO, **Typhoon HIL**

10:15 - 10:30 Coffee Break

## Expert Presentation and Discussions

10:30 - 11:00 HIL Compatible for ESS System Integration | James Cleveland, **IHI Terrasun**

11:00 - 11:30 Electrical System Integration – A C-HIL Approach | Lisette Cupelli, **Rolls Royce Power Systems AG**

11:30 - 12:00 Revolutionizing Testing: Uncovering the Power of Hardware-in-the-Loop | David Lumbreras Magallón, **Ingeteam Power Technology**

12:00 - 12:30 Productized HIL Models: Solutions for Unrivaled ROI | Adrien Genic, **Typhoon HIL**

12:30 - 14:00 Lunch

## Expert Presentation and Discussions

14:00 - 14:30 Versatile Typhoon HIL Simulator Application in Automotive ECU Project with ASPICE Conformity Level 2 and Functional Safety Relevance | Meng Sun, **BorgWarner**

14:30 - 15:00 Accelerating with Hardware-in-the-Loop at HERO | Felix Fleissner, **HERO**

15:00 - 15:30 How to use HIL to Run Straddle Carrier | Dilip Nandavadekar, **REFU**

15:30 - 16:00 Future-Proof HIL Solutions for e-Drives of Today and Tomorrow | Petar Gartner, **Typhoon HIL**

## Evening Networking and Gala Dinner

16:00 - 17:30 Coffee and Networking with Live Demo

17:30 - 19:30 Free Time

19:30 - 20:00 Cocktails and Networking

20:00 - 22:00 Gala Dinner

[Register](#)

# TechDay 2024 Conference

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## General Introduction

**9:00 - 9:10** Welcome Note

## Expert Presentation and Discussions

**9:10 - 9:40** Toolbox EV Twin – Power-HIL Testing of Electric Vehicle Charging Behavior | Bernhard Wille-Hausmann, **Fraunhofer ISE**

**9:40 - 10:10** HIL-based 61850 Testing of Distribution and Transmission Substations Running on Centralized (CPC) and Virtualized (VPAC) Protection and Control Architectures | Marco Nunes, **ABB Switzerland**

**10:10 - 10:40** How Real-Time Simulation Facilitates New Methods for Testing Wind Turbines | Florian Hans, **Fraunhofer Institute for Wind Energy Systems (IWES)**

**10:40 - 11:10** Coffee and Networking Break with Live Demo

## Expert Presentation and Discussions

**11:10 - 11:40** From HIL to H2 with the Power of a Typhoon | Sture Van de moortel, **ABB Switzerland**

**11:40 - 12:10** Topic to be Confirmed | Søren Bækthøj Kjær, **Danfoss Drives**

**12:10 - 12:40** Presentation Topic to be Confirmed

**12:40 - 14:00** Lunch

## Expert Presentation and Discussions

**14:00 - 14:30** From Fragmented to Unified: TyphoonSim Future-Proofs Power Electronics Workflows | Milos Miletic, **Typhoon HIL**

**14:30 - 15:00** Charging Ahead: High-Performance DC-DC Converter Solver | Jovan Zelic, **Typhoon HIL**

**15:00 - 15:30** From Vision to Verification: Typhoon Test Hub for End-to-End Product Success | Henrique Magnago, **Typhoon HIL**

**15:30 - 16:00** TechDay Wrap and Closing Remarks

Register