

TechDay 2026 Conference Day 1

MIT Samberg Center | Boston, United States
September 21, 2026



7:45 - 8:30 **Registration + Coffee and Refreshments All Day**

8:30 - 8:45 **Opening Remarks**

Nikola Celanovic, Chief Executive Officer, Typhoon HIL
Accelerating the Energy Transition: Digital Engineering Powered by Hardware-in-the-Loop

8:45 - 9:15 **Morning Keynote**

Himamshu Prasad, Senior Vice President, Schneider Electric
Powering the Megawatt Era: 800VDC and the Future of Data Center Electrification

9:15 - 10:00 **Panel | Moderator: Ali Mehrizi, Professor and Bradley Senior Fellow Director, Virginia Tech**
From Chips to Grids: Digital Power Challenges and Opportunities in Data Center Infrastructure

Himamshu Prasad, Senior Vice President, Schneider Electric

Balduino Rabelo, Senior Controls Engineer, Fluence

Akshay Gondaliya, Senior Power Systems Specialist, EdgeTune Power

10:00 - 10:15 **Coffee, Networking & Technology Tables Open All Day**

10:15 - 10:45 **Special Session**

Stuart Laval, Global Engineering Director, Eaton
How Model-Based Engineering is Reshaping Data Center Power Systems

10:45 - 11:15 **Special Session**

Olaolu Ajala, Staff Controls Engineer, Tesla
Accelerating BESS Development and Deployment

11:15 - 11:45 **Special Session**

Ruben Inzunza, Chief Engineer, TMIEC
Grid-Forming Converters and Stability in Inverter-Based Grids

11:45 - 12:15 **Special Session**

Søren Bækhoj Kjær, Engineer, Danfoss Drives
Danfoss MyDrive® HIL for iC7 System Modules

12:15 - 13:15 **Lunch, Networking & Technology Tables**

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13:15 - 13:45 Afternoon Keynote

Brian Dow, Chief Executive Officer, Amperesand
HIL Solutions for Hyperscaler Solid State Transformers

13:45 - 14:15 Special Session

Jack Ingram, Chief Engineer, BorgWarner
Electrified Mobility and the Convergence of Automotive and Energy Systems

14:15 - 14:45 Special Session

Robert Slone, SVP, Chief Scientist and Innovation Officer, UL Solutions
Physical and Digital - The Evolving World of Conformity Assessment

14:45 - 15:00 Coffee, Networking, Technology Tables

15:00 - 15:45 Panel | Moderator: Rudy Wang, Delta Electronics Americas From Chargers and Grid Forming Inverters to Solid-State Transformers (SST)

Brian Dow, Chief Executive Officer, Amperesand

Nitesh Satheesh, Senior Manager, Product Marketing, Microchip

Markus Sjöblom, MV Software Architect, Danfoss Drives

15:45 - 16:15 Day 1 Closing Remarks

Dusan Majstorovic, Chief Technology Officer, Typhoon HIL
Engineering Electrification: A Unified Model-Based Technology Roadmap

16:15 - 18:00 Free Time, Networking & Technology Tables

18:00 - 19:00 Cocktail Hour, Networking & Technology Tables

19:00 - 21:30 Conference Gala Dinner & Best Paper Awards Ceremony

TechDay 2026 Conference Day 2

MIT Samberg Center | Boston, United States
September 22, 2026



7:45 - 8:30 **Registration + Coffee and Refreshments All Day**

8:30 - 8:45 **Opening Remarks**

Adrien Genic, Director of Engineering, Typhoon HIL
Accelerating Innovation Through Model-Based Engineering

8:45 - 9:15 **Special Session**

Mikko Qvintus, Senior Technical Product Manager, Controls and Modeling, EPC Power
Accelerating Development and Deployment of Power Converters Built for Intelligent AI Data Centers

9:15 - 9:45 **Special Session**

Alexandre Venito, Senior Expert Energy Management, Siemens Energy
Validating BESS Control Systems for Grid Compliance and Reliability

9:45 - 10:15 **Special Session**

Stefano Pane, Control Engineer, NHOA Energy
Enhancing Grid Resilience through Advanced BESS Functionality

10:15 - 10:45 **Special Session**

Bacil Shaqqo, Senior Manager, Controls Engineering-Energy Storage, NextPower
Inverter Based Advanced Power Quality Solutions

10:45 - 11:00 **Coffee, Networking, Technology Tables**

11:00 - 11:30 **Special Session**

Jovan Zelic, Senior Modeling Engineer, Typhoon HIL
Defining the Next Standard in HIL: UltraCore and Simulation Fidelity

11:30 - 12:00 **Special Session**

Vincent Berger, Business Development, DeepDrive
In-Wheel Motor Architectures for a New Era of Electric Drive

12:00 - 12:30 **Special Session**

Felix Mueller, General Manager, Tracetronic
Continuous End-to-End Testing and Agentic Workflows

12:30 - 13:00 **Special Session**

Mitch Marks, Director of Business Development, HBK - Hottinger Brüel & Kjær
The Digital Thread Across the Engineering Lifecycle

13:00 - 14:00 **Lunch, Networking & Technology Tables**

TechDay 2026 Conference Day 2

MIT Samberg Center | Boston, United States
September 22, 2026



14:00 - 14:30 Special Session

Marin Soljacic, Professor of Physics, MIT & Founder Axiomatic_AI
AI for Automating Science and Engineering

14:30 - 15:00 Special Session

Mahmoud Kabalan, Director, St. Thomas Center for Microgrid Research
AI Data Center Load Impact Studies Using Large-Scale Microgrid Testbeds

15:00 - 15:30 Special Session

Peter Killeen, Senior Power Electronics Engineer, Mitsubishi Electric Power Products, Inc.
Inverter Based Advanced Power Quality Solutions

15:30 - 16:15 Panel | Moderator: Ivan Celanovic, President and Co-founder, Typhoon HIL Impact of AI on Modern Design and Simulation Workflows in Digital Power

Milos Miletic, Modeling Team Lead, Typhoon HIL

Eric Dillaber, Director of Engineering, Mathworks

Jake Taylor, Chief Executive Officer, Axiomatic_AI

16:15 - 16:30 Day 2 Closing Remarks

Nikola Celanovic, Chief Executive Officer, Typhoon HIL
See you next year!



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