

VANCOUVER, BC, CANADA



ELECTROMENTORS
WIRED FOR EXCELLENCE

2025 DATA CENTER BOOTCAMP

November 20 and 21, 2025
From 08:00AM to 6:00PM



REGISTER NOW!

FEATURED TOPICS



Data Centers & Special Power System Studies

Explore the unique challenges data centers pose to power systems, focusing on specialized studies such as Sub-Synchronous Oscillation (SSO) & Sub-Synchronous Control Interaction (SSCI) to ensure stable and resilient grid integration.



Hardware-in-the-Loop Testing for Data Center Requirements & Validation

Learn how Hardware-in-the-Loop (HIL) testing can be used to validate data center performance, reliability, and grid compliance under realistic operating conditions.



Grid-Forming Inverter Modeling using EMT Software Tools

Learn how to model grid-forming inverters of data centers using EMT simulation tools to analyze their dynamic behavior & interaction with the grid under various operating scenarios.



Data Center Cybersecurity Requirements

Examine the unique cybersecurity requirements of data centers & learn practical solutions to safeguard data centers against evolving cyber threats & compliance challenges.

CALL FOR PAPER SUBMISSION

SUBMIT YOUR EXTENDED ABSTRACT – DUE: SEPTEMBER 30, 2025.

- **Topics of interest:** Data center and grid integration, grid-forming inverters, energy storage, digital twins, power quality, AI infrastructure, protection, and cybersecurity in data center operations and maintenance.
- Accepted abstracts will be featured in the *ElectroMentors Journal: Special Issue on Data Centers*, and selected authors will be invited to participate in the *poster showcase* during the event.
- Authors of accepted papers will receive a discounted registration rate for the Bootcamp.

Venue Location:

BCIT Downtown Campus

555 Seymour St, Vancouver, BC V6B 3H6



EXCLUSIVE SPEAKERS & INSTRUCTORS

Dr. Sam Maleki
Data Center Studies Specialist



Dr. Arman Ghasaei
HIL & Digital Twin Simulation Expert



Dr. Abolfazl Babei
IBR and Grid Forming Expert



Dr. Moein Manbachi
Cybersecurity Expert



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