



Converging Cybersecurity Solutions for Energy Systems to Practice

Real-Time Simulation for Cybersecurity

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OPAL-RT

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(12:00-1:00 pm EST, 9:00 am-10:00 am AZ Time)

Link: <https://asu.zoom.us/j/9723906777>

Abstract: Today’s electric power grids are benefitting from new “intelligent” technologies, evolving rapidly to provide greater efficiency and performance. These new technologies, however, can make electric power grids vulnerable to increasingly sophisticated cyberattacks. This threat has precipitated the need for a new set of standards.

As the industry increasingly focuses on cybersecurity, OPAL-RT is dedicated to providing state-of-the-art open power systems and real-time simulation platforms to meet the new security requirements of power system professionals.

Real-time simulation is employed as a powerful and efficient testing tool by simulating real-world cyberattacks and system failures in a controlled environment. OPAL-RT’s simulators provide an efficient means of simultaneously testing a multitude of emergency scenarios in real-time. For cybersecurity applications, OPAL-RT combines a communication network and a variety of simulated protocols in order to effectively recreate communication failures or cyberattacks, and the means to effectively study the impact on the power grid.

Bio:



Philippe Bisson is currently working as Business Development Manager at OPAL-RT. Before that he was Vice-President of Sales and Marketing at PMG Technology, which operates Transport Canada Motor Vehicle Test Center. For the last two years he has been highly involved in Québec Electric and Smart Transportation cluster as Co-President.



Chris Genganantha has been working at OPAL-RT for the last 6 years. As a Channel Manager and Sales Engineer, he bridges the gap between customer technical requirements and OPAL-RT real-time simulation solutions. Chris graduated from McGill university. He is highly involved in one of OPAL-RT biggest projects to date, with the Australian customer AEMO.

