

RT24 INDIA - 17 & 18th of December 2024,  
at Hyatt Centric, Hebbal, Bengaluru

**RT24**  
ELECTRIFYING THE WORLD  
BEYOND REAL TIME

# 18th MORNING SCHEDULE

## Registration 08:30 AM

### Management Message :

09:30 - 10:00 AM  
Room : Hall 1



**Mr Jean Bélanger**  
Founder, President & CTO  
OPAL-RT Technologies



**Mr Girish Nanjundiah**  
Managing Director  
OPAL-RT Technologies India

## Keynote Sessions

### Digital Twin for the Indian Power System

10:00 - 10:20 AM



**Mr Reji Kumar Pillai**  
President  
India Smart Grid Forum (ISGF)

### HILS using OPAL-RT: A 15-Year Review of Advancements, Advantages, and Applications

10:20 - 10:40 AM



**Mr. Pulak Halder**  
Scientist  
RCI Hyderabad

### Using OPAL-RT HIL Benches in ARAI

10:40 - 11:00 AM

**Ms Ujwala Karle**  
Deputy Director  
ARAI

## High Tea / Demo Visit 11:00 - 11:20 AM

### EV OS - Journey into the SDV universe

11:20 - 11:40 AM



**Dr Himadri Bhushan Das**  
Chief Solution Architect  
Electra EV

### Accelerating India's Energy Transition: Policy Strategies for Renewable Integration and Grid Decarbonization

11:40 - 12:00 AM



**Mr Arun Kumar Choudhary**  
Scientist  
Ministry of New and Renewable Energy

## Technical Sessions

### Latest Innovations for Power Electronics & eMobility (Traction, BMS and OBC) HIL Testing

12:00 - 12:30 PM



**Mr François Berthelot**  
BU Manager, Eastern North America  
OPAL-RT Technologies

### Securing the Smart Grid: Leveraging Simulation and Visibility for Cyber-Resilient Power Systems

12:30 - 01:00 PM

**Mr Sunny Nair**  
Innovative Solutions & Cybersecurity Architect  
Keysight Technologies

### How OPAL-RT Customized Test Benches contribute to customer(s) success

01:00 - 01:30 PM



**Mr Sameer Singh**  
Technical Head  
OPAL-RT Technologies india

Networking Lunch / Demos

01:30 - 02:30 PM

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# 18th AFTERNOON SCHEDULE

## User Presentations

02:30 - 04:00 PM

**Bridging Theory and Practice: Real-Time Testing of Electric Motor and Generator Controllers**

**Mr. Muthukumar Murthy**  
Systems Engineering Manager  
Honeywell Technology Solutions

**Revolutionizing EV Batteries: The Power of Software- Defined BMS**

**Dr Mukesh Singh**  
Professor  
Thapar Institute of Engineering and Technology

**Genset controller software functional testing on OPAL-RT bench for multiple topologies**

**Ms. Pragati Raut & Mr. Subodh Kadu**  
Test System Engineers  
Cummins India Pvt. Ltd.

**Using OPAL-RT for building Digital Twins**

**Dr Amitava Gupta**  
Professor (Power Engg.) & Director (SNSA)  
Jadavpur University

## Technical Sessions

**A Platform-Based Approach for DC Fast-Charging Systems Test Solutions**

02:30 - 03:00 PM

**Mr Karthik SP**  
Section Manager -JKAI  
National Instruments (NI)

**Turnkey Training Platforms for Power generation & Distribution**

03:30-04:30 PM



**Mr Ashot Minasyan**  
Chief Technology Officer  
Bitlismen



**Mr Gevorg Parsyan**  
Systems Engineer  
Bitlismen

**High Tea**  
04:30 - 05:00 PM

**DEMO / New Office Visit**  
05:00 - 06:00 PM

**Entertainment & Dinner**  
06:30 - 09:30 PM

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# DEMONSTRATION DETAILS

## DEMOS

**Real-Time Simulation of Hybrid CMDE and BMS for Automotive**

**Future of Transportation : eVTOL Flight Simulation and Control Testing**

**Electric Vehicle HIL Testing of Power Train and On Board Charger**

**Real-Time Flight Dynamics Simulation with Avionics Bus Integration**

**Cybersecurity readiness of the GHOST microgrid with HYPERSIM**

**Revolutionizing IBR Integration with Smart Inverter Control Toolbox**

**HIL Testing of PPC (Power Plant Controller) using OPAL-RT**

**Power-Hardware in Loop demonstration with OPAL-RT and Bitlismen**

**Solar Power Generation with Bitlismen**

**Wind Power Generation with Bitlismen**

**Power Transmission with Bitlismen**

**Power Transmission with Bitlismen**