

## **November 29, 2023, Meeting Announcement**

### **Topic: DC Traction Power Systems - Advanced Design Concepts**

**Sponsors:** IEEE Vehicular Technology Society (VTS) Philadelphia Chapter

**Speakers:** Mark Curry and Tony Janin, Traction Power Systems Leads, Sécheron SA, North American Market

**Meeting date/time:** Wednesday, November 29, 2023, 12:00 pm to 1:30 pm (Eastern Standard Time)

**Location:** *Virtual meeting* link posted on IEEE vTools prior to the meeting.

**Cost of meeting:** There is no charge for meeting attendance, only for PDH certificates.

**Reservations:** **Attendees are required to register at:** <https://events.vtools.ieee.org/m/384130>

A valid email address must be provided in order to receive the link for the meeting. If you have any questions, please contact Brandon Swartley at [brandon.swartley@ieee.org](mailto:brandon.swartley@ieee.org).

**Professional Development Hours:** Attendees may apply for 2.0 PDH provided through the IEEE Certificates Program, accepted in all states. Send \$5.00 (USD) payment to Brandon Swartley via Zelle at [brandon.swartley@ieee.org](mailto:brandon.swartley@ieee.org) and complete online evaluation at <https://r2.ieee.org/philadelphia-vts/forms/> Evaluation form must be completed, and payment received within one week to receive PDH certificate.

**Abstract:** This presentation discusses the different elements, applicable standards, and common industry trends used in dc and traction power applications. The objective of this presentation is to provide designers and specifiers with technical knowledge in DC applications used in traction applications and provide detailed insight into new product concepts used throughout the world.

#### **Agenda:**

- Multiple project profiles that embrace new DC technologies and design challenges
- DC Switchgear
- DC Traction Voltage Limiting Device
- Stray Current Monitoring Systems
- Traction Converter Units based on Diode, Thyristor, and IGBT Technology
- Boost for Diode Rectifiers
- Substation Automation System and Intelligent Operations and Maintenance Systems

#### **Speakers.**

**Tony Janin** has over 14 years of DC traction experience in the areas of Product Development, Application Engineering, Mechanical Engineering, Project Management, and Sales Executive. Mr. Janin has led multiple projects for Sécheron from conception to completion. Currently Tony Janin is Area Sales Manager at Sécheron SA for the North American market for both Railway and Industrial applications. Mr. Janin's area of knowledge includes Sécheron's, Switchgear, Power Conversion, Rectifiers, Power Control and Monitoring Systems.

**Mark Curry** has over 30 years of transit experience on the systems delivery side in the areas of Traction Power, Control Centers and Systems, Systems Integration, SCADA, and Communications. Currently Mark Curry is the Director of Sales at Sécheron Hasler USA. Mark Curry is the Chair of the IEEE Smart Substation Work Group.

#### **IEEE VTS Philadelphia Chapter Officers:**

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