



**IEEE Vehicular Technology Society  
Philadelphia Chapter**



**March 28, 2022 Meeting Announcement**

**Topic: DC Rolling Stock High-Speed Circuit Breaker Technical Presentation**

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

**Speakers:** Mr. Oleg Goureev, Component and Systems Manager, and Mr. Martin Bussiere, Business Development Manager, Rail Segment North America, ABB Electrification Products

**Meeting date/time:** Monday, March 28, 2022, 8:30 am to 9:30 am (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.

**Reservations:** **Attendees are required to register at:** <https://events.vtools.ieee.org/m/308653>

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 1.0 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:** ABB will give a presentation on their latest DC rolling stock high-speed circuit breaker called DCBreak. It is a medium-voltage high-speed bi-directional DC circuit breaker for rolling stock application power supply up to 1800 V, 1500 A, with a breaking capacity of 30 kA. The DCBreak circuit breaker family for rolling stock combines a small footprint, reduced weight, high flexibility and reliable operation with minimal maintenance. It is ABB's first in a line of new products intended for the direct current railway transportation market. It is designed to high safety standards as well as relevant environmental directives and industry standards. Engineered with flexibility in mind, it is as easy to implement in new builds as well as retrofit into existing ones, and its simplified design makes for reduced maintenance time and costs. This technical presentation will also discuss AC and DC train line relays, contactors, and 1000 V dc miniature circuit breakers for distribution systems on buses and rail cars.

**Speakers:** Oleg Goureev has worked in the rail industry since 1998, starting with Stone Rail, a Wabtec Company, on the HVAC side. Mr. Goureev then moved to ABB and was responsible for the electrification Smart Power Division. He is an engineer responsible within ABB as the Component and System Manager for North America. Oleg is a true systems integration engineer capable of overseeing any applications in rail and ensures products, systems, and solutions are well protected, distributed, and compliant to the customer specifications. Mr. Goureev holds a MS in automation systems and robotic complexes from the Moscow State Technical University. Mr. Martin Bussiere is the Business Development Manager Rail Segment North America. He oversees all business development and sales activities. Mr. Bussiere joined ABB in 1994 as a Sales Representative for the low-voltage product division, then moving to different positions in the rail segment from Account Managers to Global Marketing manager for the rail sector.

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