



**IEEE Vehicular Technology Society
Philadelphia Chapter**



October 6, 2022 Joint Meeting Announcement

Topic: Electric Power Systems and Electric Vehicles

Sponsors: IEEE Vehicular Technology Society (VTS) Philadelphia Chapter *and* the Pennsylvania Society of Professional Engineers (PSPE) Philadelphia Chapter

Speakers: Joseph F. Maida, P.E.

Meeting date/time: Thursday, October 6, 2022, 6:30 pm to 7:30 pm (Eastern Standard Time)

Location: *Virtual meeting* link posted on IEEE vTools prior to the meeting and sent to registered attendees.

Cost of meeting: There is no charge for meeting attendance.

Reservations: **Attendees are required to register at:** <https://events.vtools.ieee.org/m/325696>

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.

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 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: The course will present an overview of basic design of electrical power systems, focusing on the installation of “residential” electric vehicle charging and power transferring stations. It will include a case study of a recent electrical contractor installed Tesla Charging Station and Powerwall combined with PV Cells on the roof of a residence near Boston, MA. Additional personal experience about a charging station that the Speaker built for his son’s Tesla in Ocean City will be presented. It will address the challenges that existing homeowners and utility companies will face with the rapid increase in electric vehicle purchases.

Speakers: Joseph Maida, P.E., is the president of Maida Engineering, Inc., since 1978. Mr. Maida leads a company that strives to provide harmonious working environments while challenging and utilizing the technical and managerial talents of its employees, thus enabling them to provide the highest quality of engineering and design to its industrial, commercial, government and automation and control clients. Mr. Maida has provided project management and overseen or performed engineering services on projects such as the replacement of wind tunnel 18,000 hp and 22,000 hp motors, standby power distribution systems, load management control systems, and power systems studies. Mr. Maida holds a BSEE and MSEE from Drexel University and is a licensed professional engineer in several states. He served a UCC Advisory and Review Council Member from 2009 to 2011.

IEEE VTS Philadelphia Chapter Officers:

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