



IEEE-IAS INDUSTRY APPLICATIONS SOCIETY (BALTIMORE)

MEETING



The Institute of Electrical and Electronic Engineers - Industry Applications Society are pleased to announce the upcoming Dinner Meeting. Information regarding the meeting is as follows:

Date: **Wednesday, March 18th 2026**

Time: 6:00 – 7:00 Social Hour / Open Bar
7:00 – 8:00 Dinner
8:00 – 9:00 Program
9:00 – 9:30 Follow-up / Social

Topic: **UPS Basics & Technology**

Description: This session will provide a practical overview of Uninterruptible Power Supply (UPS) systems, including how they function, the different system types available, and where each is best applied. We will review the core operating modes (normal, battery, and bypass), key components, and the differences between standby, line-interactive, and double-conversion systems. The discussion will also cover single-phase versus three-phase configurations and how UPS systems support critical infrastructure.

In addition, we will discuss key selection criteria such as load calculation, runtime requirements, redundancy options, scalability, and physical form factors. We will also address how UPS systems integrate with generators, automatic transfer switches, and power distribution equipment to create a resilient, mission-critical power ecosystem.

This meeting is designed to provide both a technical foundation and practical guidance for evaluating, specifying, and applying UPS solutions in data centers, healthcare facilities, industrial environments, and other high-reliability applications.

Speaker: Bryson Begley is a Sales Engineer with Chesapeake Mission Critical, serving in this role since 2023. Based in Beltsville, Maryland, Chesapeake Mission Critical provides engineered electrical and mechanical infrastructure solutions supporting high-availability environments across data centers, government contractors, and healthcare facilities. Bryson specializes in technically driven solution development for mission-critical power and cooling systems, collaborating closely with consulting engineers, contractors, and facility stakeholders to align infrastructure design with performance, redundancy, and reliability requirements. His work supports complex electrical distribution architectures, standby and backup power integration, and resilient system configurations designed to meet stringent uptime objectives, capacity planning models, and operational continuity standards. Through a consultative and engineering-focused approach, Bryson helps organizations implement scalable, code-compliant infrastructure solutions that address both immediate load demands and long-term growth strategies while maintaining system efficiency, maintainability, and fault tolerance.

\$60.00 (Members Paid-in-Advance) Reservation Deadline: 3/16/2026

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\$70.00 (Non-members Paid-at-Door)

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Place: Olive Grove Restaurant, 705 N. Hammonds Ferry Road, Linthicum Heights, MD 21090

Credits: 1 PDH (Professional Development Hour)

TO REGISTER, VISIT OUR WEBSITE AT <http://www.iasbaltimore.org> Credit cards accepted

Mail reservations to: Leonard Bathgate, 9 First Avenue West, Glen Burnie, MD 21061
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Make checks payable to: IEEE-IAS

Reservation Deadline: 3/6/2026