



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, September 16, 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: The Next Evolution of Data Centers

Description: From Server Rooms to AI Factories: The Next Evolution of Data Centers

This presentation explores the evolution of data centers—from mainframes and traditional enterprise server rooms to hyperscale cloud facilities and today's high-density AI infrastructure.

Attendees will learn about the forces reshaping data center design, including changing business and investment models, rapidly increasing power and rack densities, GPU computing, advanced cooling technologies, water requirements, backup power systems and microgrids, structural and site considerations, and noise and environmental impacts. The presentation will also examine the emerging role of quantum computing and its potential influence on future facility design.

Finally, we will look ahead at the engineering and infrastructure challenges that must be addressed as data centers become some of the world's most power-intensive and mission-critical facilities.

Speaker: Mark Welsko, P.E., is the Chief Technology Officer of Worldwide Environmental Services, LLC, and a founder and principal of GridEdge DC, LLC. He brings extensive experience in critical infrastructure, data center technology, energy systems, and large-scale monitoring and control solutions, with technologies deployed across thousands of sites throughout the United States and worldwide.

His current work focuses on next-generation data center architecture for artificial intelligence and high-density computing, including modular deployment, DC power, liquid cooling, microgrids, resilient power systems, and advanced infrastructure solutions. Mark holds multiple patents related to integrated energy and data center infrastructure and collaborates with engineering, development, and technology partners to advance innovative approaches to data center design and deployment.

\$75.00 (Members Paid-in-Advance) Reservation Deadline: 9/14/21026

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\$80.00 (Non-members Paid-in-Advance / Members Paid-at-Door)

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\$85.00 (Non-members Paid-at-Door)

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Place: Pappas Restaurant- Parkville, 1725 Taylor Ave, Parkville, MD 21234

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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