

**SPOTLIGHT ON  
IEEE CONFORMITY  
ASSESSMENT PROGRAM (ICAP)**



# MESSAGE FROM GLENN PARSONS

*Vice President, Products and Services Innovation  
Strategic Management and Delivery Committee  
(SMDC)*

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**IEEE Conformity Assessment Program (ICAP) continues to build on its competencies, with a focus on the development of standards-based certification and training programs to meet industry needs. Some key programs include IEEE AI Ethics Certification, nuclear power electrical equipment certification and the IEEE 1547 Certified Commissioning Evaluator (CCE) Training Program. In addition, ICAP expanded its portfolio to include programs addressing critical industry concerns including cybersecurity and interoperability.**

**Standards and conformity assessment are the foundation of many technological solutions and I look forward to ICAP strengthening and expanding its offerings to play a pivotal role in meeting the challenges and needs of our ever-evolving environment with the support of our partner organizations and contributing members.**



# LAUNCH OF THE IEEE 1547™ CERTIFIED COMMISSIONING EVALUATOR TRAINING PROGRAM

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As demand for Distributed Energy Resources (DERs) grows around the world, the need for established best practices and qualified workers to integrate DERs into distribution networks increases as well.

ICAP, in collaboration with leading utilities, launched the IEEE 1547 Certified Commissioning Evaluator (CCE) Training Program. The program helps address the knowledge gap of qualified professionals capable of verifying IEEE 1547 compliance in the field.

ICAP congratulates the first batch of trainees who have become IEEE Certified Commissioning Evaluators.

Learn more [here](#).



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Actions Speak Louder





# LAUNCH OF THE IEEE NUCLEAR STANDARDS CERTIFICATION PROGRAM

As the world moves to alternative energy sources, there is heightened interest in nuclear power as a way to meet growing energy demands. With this transition, comes the critical need for more rigorous equipment assessment.

The IEEE Nuclear Standards Certification Program, aims to help the nuclear equipment qualification (EQ) ecosystem improve safety.

ICAP is pleased to announce Kinectrics, Inc. and National Technical Systems, Inc. (NTS) as recognized test labs and TE Connectivity Corporation as a recognized manufacturer. These three organizations received certificates at the EQ Technical Meeting held in December.



Top to bottom: Greg Mason, NTS, Jeremy Owen, Kinectrics, Inc., Jonathan Cornelius, TE Connectivity Corporation presented with certificates by John White, NPEC Chair and Patrick Murray, ICAP Program Manager

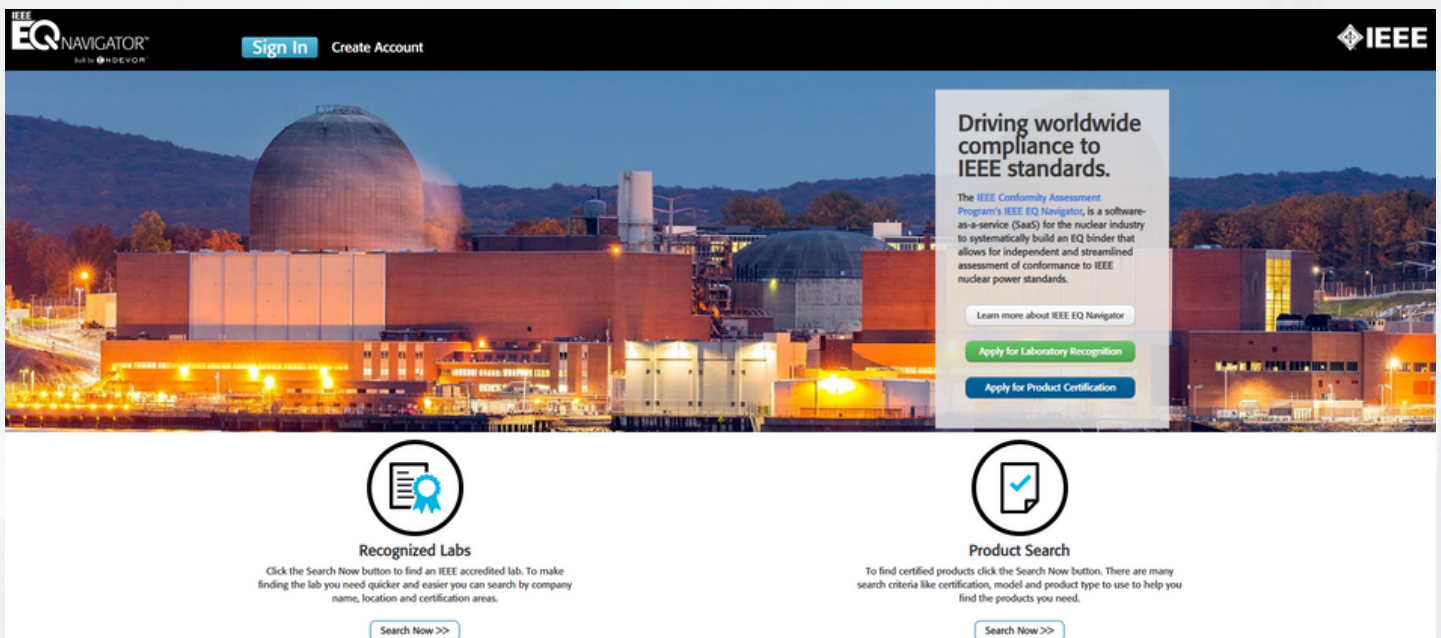


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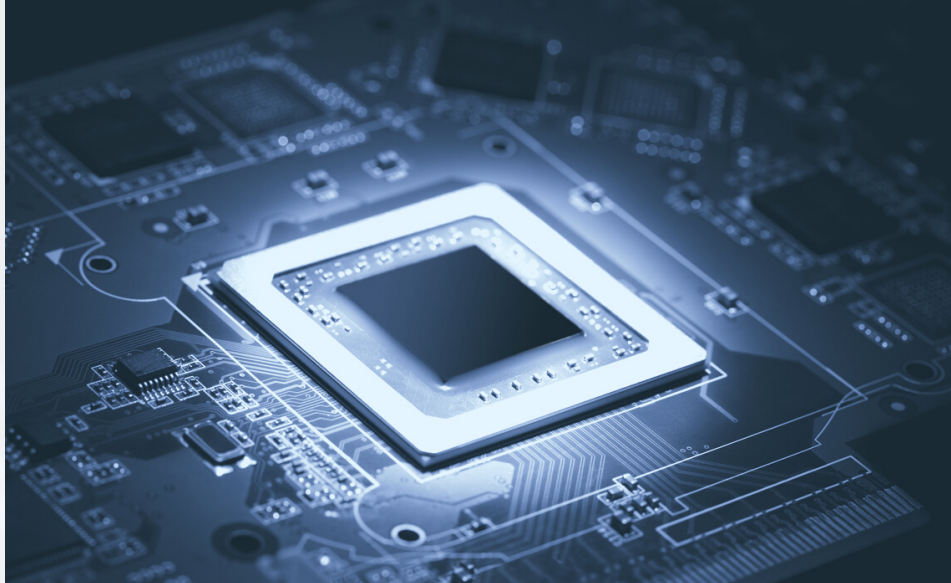
# LAUNCH OF IEEE EQUIPMENT QUALIFICATION (EQ) NAVIGATOR

IEEE EQ Navigator is a software-as-a-service (SaaS), developed for the nuclear industry, and assists manufacturers, utilities, test labs and other key stakeholders in building and managing an EQ binder.

Interested organizations can also apply for laboratory recognition or product certification.

A screenshot of the IEEE EQ Navigator website interface. The top navigation bar includes the IEEE EQ NAVIGATOR logo, "Sign In", "Create Account", and the IEEE logo. The main content area features a large image of a nuclear power plant at night. Overlaid on this image is a white box with the text "Driving worldwide compliance to IEEE standards." and a description of the software. Below this are three buttons: "Learn more about IEEE EQ Navigator", "Apply for Laboratory Recognition", and "Apply for Product Certification". At the bottom, there are two sections: "Recognized Labs" with a magnifying glass icon and a "Search Now >>" button, and "Product Search" with a document icon and a "Search Now >>" button.

Contact [eqnavigator@ieee.org](mailto:eqnavigator@ieee.org) to purchase an annual subscription.



# **SENSORS ROUNDTABLE MEETING & FORMATION OF THE IEEE SENSORS IoT ADVISORY COMMITTEE**

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ICAP held an in-person Sensors Roundtable with sensor manufacturers, U.S. government agencies and other industry stakeholders to discuss solutions to the two biggest challenges facing the sensors industry today: network interoperability and cybersecurity.

The two outputs of this successful meeting were an [IEEE white paper](#) that highlights the participants' industry recommendations and the formation of the IEEE Sensors IoT Advisory Committee, which aims to fulfill and expand on these recommendations. ICAP held a webinar that recapped the Sensors Roundtable meeting and the next steps. A recording of the webinar can be viewed [here](#).

Interested in participating in the IEEE Sensors IoT Advisory Committee? [Fill out the interest form.](#)



## IEEE CertifAIEd™

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AI applications are increasingly being developed and deployed in real-world scenarios across all domains, sectors and areas of life. However, there are specific associated risks and fundamental questions that need to be addressed. **IEEE CertifAIEd** helps to address those by defining a risk and conformity assessment procedure to follow for a specific AI system or service. Published ontological specifications for CertifAIEd criteria can be viewed [here](#).

IEEE CertifAIEd launched a 20-minute awareness module to help decision makers get a general overview of AI ethics' importance to their business and how to address it with IEEE CertifAIEd.

There was also a successful ramp up of CertifAIEd training to professionals worldwide, with participation from North America, Europe and Asia, nurturing an ecosystem of CertifAIEd assessors to address the upcoming AI ethics regulatory initiatives across the globe.

At the AI Global Summit in Riyadh, IEEE CertifAIEd announced its partnership with TÜV SÜD, who adopted it as the ethical framework for its AI quality framework. IEEE CertifAIEd also hosted a joint panel at The AI Summit New York with TÜV SÜD and MindSign, demonstrating the beginning of the adoption of CertifAIEd by the AI industry.



# MEDICAL DEVICE CYBERSECURITY: CERTIFICATION TO IEEE 2621™ SERIES OF STANDARDS

The IEEE 2621 series of standards aids medical device manufacturers and users to manage their cybersecurity risk. Because of the increased attention paid to cybersecurity vulnerabilities by regulatory bodies, ICAP, in collaboration with industry leaders, developed the Medical Device Cybersecurity Conformity Assessment Program.

Medical device manufacturers and app developers can now undergo testing to demonstrate conformance to IEEE 2621 as part of this program.



[Learn more about the program.](#) Read about the impact the IEEE 2621 series of standards will have on the medical device industry [here.](#)



# IEEE CONFORMITY ASSESSMENT AWARD

# 2022

ICAP congratulates David C. Klonoff for receiving the 2022 IEEE SA Conformity Assessment Award for his vision and leadership in promoting the development of a conformity assessment program to aid medical device manufacturers and users in managing their cybersecurity risk.



## WEBINARS & EVENTS



ICAP attends various industry events, including sponsorships and/or presentations throughout the year.

We hope to see you at the following events:

- NARUC Winter Policy Summit
- IEEE Conference on Artificial Intelligence
- IEEE PES General Meeting
- Sensors Converge
- EQ Technical Meeting
- Nuclear Business Platform - Turkey
- Nuclear Business Platform - India

ICAP held several informative and well attended webinars. Missed any of these webinars? You can take advantage of a complimentary rewatch below.



**Certifying to IEEE Blockchain Standards**  
[Rewatch](#)



**Are Sensors the Weakest Link to Cyber Attacks?**  
[Rewatch](#)



**Developing a Workforce to Support the Evolving Grid**  
[Rewatch](#)

Sign up [here](#) to be informed of upcoming webinars.

**LEARN MORE:**

**IEEE  
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Program**

<https://ieeesa.io/icap/>

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