

## **Contribute to CEATI's 2027 Hydropower Conference in Palm Springs, CA**

We are pleased to announce a Call for Abstracts for **CEATI's Annual Hydropower Conference – one of the most influential utility-focused events in the industry – on March 2<sup>nd</sup>–3<sup>rd</sup> in Palm Springs, CA**. For more than 15 years, CEATI has gathered utility leaders, experts and influencers at this prestigious event to share practical insights and breakthrough developments shaping the future of hydropower. Our 2027 event will host over 700 utility professionals from a variety of leadership roles, including *Dam Safety Engineers, Hydro Plant Managers, Engineering Directors, Hydrologists, Water Resource Managers and Business Executives*. Presenters will have the opportunity to share success stories, lessons learned, and forward-looking solutions with an engaged audience committed to advancing hydropower's role in a rapidly evolving energy landscape.

You're invited to submit your content proposal to our conference planning team for consideration **by 4:00pm ET on August 21<sup>st</sup>, 2026**.

**Title: Hydropower Recharged: Modernizing Assets, Operations & Workforce**

Conference Tracks & Content Priorities

**Our 2027 Conference Will Be Organized into Five Primary Tracks Covering:**

### **1. Dam Safety**

- Implementation of new technologies & techniques through innovation (ex. remote inspection, geotechnical instrumentation, etc.)
- Risk management and enhanced planning (ex. Planning for and responding to unusual combinations of usual events)
- Hydropower dam adaptation and retrofitting initiatives (ex. upgrades, restorations to facilities)
- Innovation and transferrable learnings from other industries (ex. aerospace, oil & gas, mining, insurance)
- Cyber security – implementation, risk & mitigation
- Practical applications of AI in hydropower: From predictive analytics to generative AI and smart controls, examples of how AI is being used to support operations, maintenance, and decision-making

### **2. Hydro Plant Equipment**

- Hydro equipment and facility life cycle planning (ex. evaluating remaining life of a unit that has reached end of the planned life cycle, refurbishment vs. replacement, aging infrastructure)
- Hydropower facility adaptation and retrofitting initiatives (ex. upgrades, restorations to facilities)

- Implementation of new technologies & techniques through innovation (ex. remote inspection, online monitoring technologies, digital twins, etc.)
- Practical applications of AI in hydropower: From predictive analytics to generative AI and smart controls, examples of how AI is being used to support operations, maintenance, and decision-making

### **3. Hydro Operations Planning and Water Management**

- Informed business decision making around water management and hydro operations under greater uncertainty & constraints (ex. power markets)
- Cyber security – implementation, risk & mitigation
- Practical applications of AI in hydropower: From predictive analytics to generative AI and smart controls, examples of how AI is being used to support operations, maintenance, and decision-making

### **4. Workforce Development**

- Recruitment, skill building and succession planning
- Practical safety strategies to protect hydropower infrastructure and employees

### **5. Pumped Storage Hydro**

- Hydropower facility adaptation and retrofitting initiatives (ex. upgrades, restorations to facilities)
- Informed business decision making around PSH facilities, both new build and retrofit

A notification of acceptance will be provided no later than **October 30<sup>th</sup>, 2026**. Abstracts shall be evaluated based on their applicability to the subject matter and their technical merits.

**Tech Demo for 2027:** We are continuing to include **sponsored technology demonstrations** as part of the main conference agenda alongside technical tracks, providing an interactive platform to showcase innovative solutions. These demos offer presenters a unique opportunity to engage industry professionals through hands-on applications.

Ideal topics include:

- **Emerging Technologies** – Innovative tools, software, or hardware addressing industry challenges.
- **Product Demonstrations** – Live showcases of new or enhanced products.
- **Case Studies & Applications** – Real-world technology implementations with performance insights
- **Interactive Solutions** – Hands-on technologies, simulations, or live testing.
- **AI, Automation, & Digital Transformation** – Advances enhancing efficiency and decision-making.

For details or to express interest in a Tech Demo, contact Michelle Goodwin at [michelle.goodwin@ceati.com](mailto:michelle.goodwin@ceati.com).

**NOTE:** Vendors and Consultants submitting abstracts are encouraged to focus on work completed for specific utility clients, including real world case studies and incidents, and

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**present alongside utility representatives** to ensure relevance and effective Q&A from our audience.