

Utility AI Innovation Forum

May 13-14, 2025 • Chicago

Understanding the Promise, Achieving the Potential of AI in the Electric Utility Network

<https://smartgridobserver.com/Utility-AI>

Artificial intelligence (AI) in the energy and utilities market is projected to grow at a compound annual growth rate (CAGR) of 37.3% from 2024 to 2030, reaching a market size of USD 196.63 billion by 2030.* Driving this growth is the application of AI in areas such as grid optimization and management, renewable energy integration, energy efficiency, predictive maintenance, cybersecurity and risk management, and more. Indeed, as electrification of transportation and industry, data center growth and other market trends begin to drive a dramatic increase in energy demand in the U.S., AI is seen as a key tool for meeting this need and positioning the utility of the future for success.

Organized by the Smart Grid Observer, the **Utility AI Innovation Forum**, May 13-14, 2025 in Chicago, will bring together key industry thought leaders, utilities and technology innovators to explore the potential and progress of AI in the evolving energy grid. In-depth presentations and panel discussions will explore the latest technology advances and applications of AI in the electric utility industry, as well as current areas of research and likely timelines for deployment. If you are focused on grid planning and management in North America, this is a must-attend opportunity to gain invaluable insight, connect with fellow utility peers, and refine your AI strategy for the energy network going forward.

Topics to be addressed include:

- Regulatory considerations: policy developments, compliance and reporting
- The future of AI in the energy sector: latest advances and possible directions
- Ethics issues in the use of AI in the utility sector
- AI-enabled grid optimization, planning and management
- AMI 2.0 and AI / Machine learning
- The role of AI in EV managed charging
- Cybersecurity applications of AI for utilities
- Renewables integration and optimization: forecasting RE output
- Managing local energy generation, consumption and autonomous microgrids
- Customer experience and personalization applications
- Impact of AI on the electric utility workforce
- AI and carbon footprint tracking
- Utilizing AI to gain customer usage insights and generate recommendations
- Leveraging AI to support the deployment of decentralized energy systems
- Predictive maintenance: condition-based monitoring, drone inspections, etc.
- The potential for AI in demand-side management
- Energy storage optimization

Organized by: 

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Speaking Opportunities







The Utility AI Innovation Forum brings together AI and utility industry professionals for two days of in-depth networking, information sharing, and relationship building. The lineup of presenters for May is currently in development. Individuals who are interested in delivering a presentation or organizing a panel session are encouraged to submit a proposal to speak@smartgridobserver.com by **Friday, February 7, 2025**.

Guidelines for Submitting a Proposal

Panel sessions are 75 minutes in length and feature 3-4 speakers, each presenting for 15-20 minutes. For a tentative list of session topics, please view the [preliminary agenda](#) (note - subject to change). Individuals who wish to deliver a presentation or organize a panel session with multiple speakers should submit the following:

1. Speaker name, title, company, and contact information
2. Brief company overview and link to website. Are you a startup or VC firm?
3. Presentation type - will this be a poster session display (see below), or a presentation within a panel session?
4. Presentation (or panel session) title
5. Abstract (150 words)
6. Biography and photo of proposed speaker(s)
7. Bullet list of 3-4 Key Takeaways

Event Partners



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About the Organizer



[The Smart Grid Observer](#) is an online information portal and weekly e-newsletter serving the global smart energy industry. SGO hosts a number of conferences each year focused on issues of high relevance for the global clean energy industry. The goal is to foster information exchange and high-quality, one-to-one networking among industry professionals. Topics include EV charging infrastructure, grid modernization, V2G, cybersecurity, microgrids, EV battery innovation and more. Recent and upcoming Forums include:



For a full list of upcoming and recent Forums, visit <https://smartgridobserver.com/events>

Organizations That Have Participated in Recent SGO Events Include:

ABB
Acealine, Inc.
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Agilent Technologies
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BC Hydro
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BRIDGE Energy Group
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ComEd
CommScop, Inc.
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Constellation Energy
Contineo Systems
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NTCA
NTT Comware
OATI
Oncor
Ontario Clean Water Agency
Ontario Energy Board
OPAL-RT
OpenTV, Kudelski Group
OPOWER
Pacific Gas & Electric
Pacific Northwest National
Laboratory
Palm Associates, inc.
Panasonic
PCS UtiliData
PJM
Plug Smart
PowerGrid Communicattions
PowerSense A/S
Powertech
Poyry Management Consulting
Project Safety
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SAIC
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Sapient Corporation
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Schneider Electric
Scottish and Southern Energy
ScreenSoft
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Shell
Siemens
SLP Consulting
SMA America
SmartCom
Smart Grid Consumer
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Research
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SUBNET Solutions Inc.
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Survalent
Symantec
TechTarget
Telintnet Research
Telvent
Tesla
There Corporation Ltd.
Toronto Hydro Corp
Toyota
TRASYS
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Trinity 360
Tripwire
Tropos Networks
Tyco
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USTelecom Association
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- 4 complimentary conference passes
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- 20% off additional registrations
- Top logo positioning in Official Program Guide, event website, and email communications
- Corporate description on event website
- Logo in all on-site banners and signage
- Attendee List with contact information

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- Tabletop exhibit space
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- 20% off additional registrations
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- Corporate description on event website
- Logo positioning in all on-site banners and signage
- Attendee List with contact information

Silver Sponsor

Value: \$3,500

- Logo recognition as Silver Sponsor
- Tabletop exhibit space
- Virtual Exhibits display page (see example below)
- 2 complimentary conference passes
- 15% off additional registrations
- Logo positioning in Official Program Guide and event website
- Corporate description on event website
- Logo recognition in all on-site banners and signage
- Attendee List with contact information

Bronze Sponsor

Value: \$2,000

- Logo recognition as Bronze Sponsor
- Virtual Exhibits display page (see example below)
- 1 complimentary conference pass
- 10% off additional registrations
- Logo positioning in Official Program Guide and event website
- Corporate description on event website
- Logo recognition in all on-site banners and signage
- Attendee List with contact information

To arrange your participation, contact Daniel Coran, Program Manager, at dcoran@smartgridobserver.com

Registration

- Access to all sessions on May 13-14
- Copy of Proceedings PDF
- Attendee List with contact details
- Access to networking lunches, coffee breaks and drink reception

Early Bird Standard Pass

Equipment and software vendors, consultants, services providers, analysts, \$895.00
VC and investment professionals. Available until April 11, 2025. \$1,095.00 thereafter

Early Bird Utility Professionals and Non-Profit Organizations

Available until April 11, 2025. \$695.00 thereafter

Register securely online at <https://smartgridobserver.com/Utility-AI/register.htm>