

# 2024 International Conference on Overhead Lines

*Design, Construction, Inspection, and Maintenance*

## Conference Announcement and FINAL Call for Abstracts

Fort Collins, Colorado USA

APRIL 15-18, 2024



**EDM**  
*reliability & innovation*

### Conference Description

This conference focuses on technologies and resources to support the leading corporate objectives of electric utility companies today: reduce operations and maintenance costs, increase power throughput, reduce risk, ensure compliance and improve system reliability. To this end, the technical presentations will also address the related areas of extending overhead line and component life; reducing design, refurbishment and construction costs; managing rights-of-way and ensuring health and safety for workers and the environment. In addition, this conference will explore new applications that promise attractive future technologies and solutions for overhead line owners.

#### Important Dates

|                                   |                   |
|-----------------------------------|-------------------|
| Presentation Abstracts Due        | November 30, 2023 |
| Notification of Acceptance        | December 15, 2023 |
| Hotel Reservation Deadline        | March 15, 2024    |
| Electronic Presentation Submittal | March 24, 2024    |
| Conference Dates                  | April 15-18, 2024 |



Corporate headquarters in Fort Collins, Colorado USA  
with offices in San Diego, California USA and Phoenix, Arizona USA

[www.edmlink.com](http://www.edmlink.com)  
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### Conference Objectives

- To provide a forum for professionals to explore the issues that impact the use of overhead utility lines and rights-of-way throughout the world
- To exchange information on the state-of-the-art in research, technology, materials, maintenance, manufacturing, construction and design
- To showcase products and technologies through the commercial exhibition

**Who should attend:** Utility executives, managers, and engineers with responsibility for transmission, distribution and substation design; construction; and operations and maintenance as well as manufacturers/vendors.



### Call for Presentations

Abstracts must include the title of the presentation, authors' name(s), and a description *not to exceed one page in length*. Abstracts are due by November 30, 2023. Authors of presentations accepted for the conference will be informed by December 15, 2023. Presentations should be electronically submitted by March 24 as they will be included in the conference proceedings. *The official language of the conference and proceedings is English.*

**Submit abstracts to both [RBrockbank@edmlink.com](mailto:RBrockbank@edmlink.com) and [LNelson@edmlink.com](mailto:LNelson@edmlink.com) or fax to 970.204.4007.**

Presentations should address the overall theme and preferred subjects of the conference. Presentations from utility company representatives are strongly encouraged (case studies, successes/ failures), and *presentations from manufacturers with a utility co-author will be given preference over those without one.*

**Presentations of a commercial nature will not be accepted.**

Accepted presentations are those that will:

- Provide a critical review or case study of recent developments
- Describe new information, processes, or technologies with regard to management, design, construction, manufacturing, inspection, or maintenance
- Cover issues that relate to the economics of overhead lines and rights-of-way as well as associated products, services, and technologies

Accepted presentations will focus on recent developments, new information, emerging technologies and best practices as related to overhead lines/rights-of-way.

# International Conference on Overhead Lines

## Design, Construction, Inspection, and Maintenance

### Conference Announcement and Call for Presentations

## Topic Ideas

### Design and Construction, Code and Specifications

- Material Specifications
- New Construction Techniques
- Upgrading/Upgrading Existing Lines
- Designing for Inspection and Maintenance
- Grounding and Lightning Performance
- Developments in Codes and Specs
- Computerized Design Methods
- Hardware/Framing Considerations
- Internal and External Joint Use (including fiber, wireless, etc.)
- Line Rating
- Renewable Integration

### Structures and Foundations

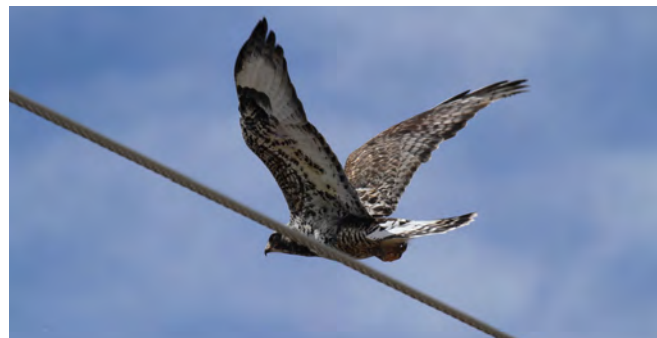
- Poles, Lattice Towers, Guyed Structures, Hybrid Structures
- Manufacturing Processes
- Treatments and Coatings
- Quality Control
- Innovations
- Supply Chain Challenges

### Components – Selecting, Applying, Inspecting and Assessing

- Insulators: Glass, Ceramic and Polymer
- Conductors
- Splices
- Spacers and Dampers
- Line Hardware
- Electric Equipment, Surge Arresters, Switches, etc.
- Inspection Technologies (e.g., remote sensing)
- Inspection Tools and Equipment
- Training Technologies
- Data Collection and Management
- Research and Development
- Supply Chain Challenges

### Maintenance

- Asset Management
- Remote Sensing
- Life Extension
- Reliability and Durability
- Restoration Methods
- Managing with Reduced Budgets
- Live Working Practices
- Improving Lightning Performance



### Environmental Considerations/Animal Protection

- Avian Issues
- Environmental Regulations
- Siting/Permitting
- Material Considerations

### Wildfire Mitigation

- Developing Wildfire Mitigation Plans
- Catastrophic Wildfire Ignition Prevention
- T&D, Substations, Communications Asset Protection
- Implementing Effective PSPS
- Advanced System Monitoring, Sensing and Protection
- Situational Awareness
- Remote Sensing

### Vegetation Management

- Innovative Partnerships
- Leveraging Technology
- International challenges and solutions
- Integrated Vegetation Management
- Remote Sensing

### Cross-Departmental Collaboration Examples

- Wildfire
- Regulatory/Rate Case Strategy
- Budget Constraints
- Efficiencies/Synergies
- Resiliency
- Training and Safety
- Utilization of Remote Sensing and Data Harmonization



#### Exhibits, Commercial Displays and Field Session

Booth space will be available for commercial vendors to promote products and services during the 1/2-day exhibition portion of the conference. Registration materials will provide information on reserving exhibit space. Space is limited and will be reserved on a "first come, first served" basis.

There will also be a hands-on 1/2-day field session where attendees will have the opportunity to see some of the newest technologies available in this industry.

#### Additional Information

Information regarding registration, exhibits, the field session, and a ski trip the day before the conference will be included in subsequent mailings. To ensure receipt of future announcements, please send your contact info to EDM.

#### Accommodations

Attendees are responsible for making their own hotel reservations. A block of rooms are being held for attendees; \$135.00 for single or double occupancy, plus taxes. A code will be provided with registration materials that will secure the International Conference rate. The deadline for making hotel reservations at the special rate is **March 15, 2024**, after which, the unreserved rooms held for the conference will be released to the public and the special rate will no longer be available.

#### Fort Collins Marriott

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Fort Collins, CO 80525 USA  
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#### Conference Sponsor and Coordinators

The conference is sponsored by EDM International, Inc. (EDM) The Technical Directors of the conference are:

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