

Call for Papers

We are pleased to invite contributions for OPC Day International 2024, the virtual event where more than 2100 IT and OT experts come together to exchange insights and innovations in the field of industrial interoperability. The conference will be a platform to showcase success stories, research projects, case studies, and experience reports related to various aspects of industrial interoperability. Accepted papers will be distributed with the other material and their authors will get the opportunity to present their content during the virtual conference to all attendees. This year, we welcome submissions addressing the following categories:

1. **Core Technology**

The OPC Foundation has published lots of explanations for the core OPC UA technology already, but if you find something missing, we are happy to hear from you.

- Your topic

2. **Modeling Capabilities**

Please submit topics that describe advances in modeling techniques for designing and implementing interoperable systems, like:

- Models out of the core automation business (like vending machines, kitchen equipment, ...)
- Custom information models
- UNS (Universal Namespace)

3. **Security**

The OPC Foundation has published lots of security related presentations already. Please submit best practices, tools, and methodologies for these topics, like:

- Onboarding challenges
- Security management
- Pen testing
- Government requirements, like Cyber Resilience Act (CRA)
- Security in hardware-constrained devices
- Security in cloud scenarios

4. Field Interoperability

Please submit your exciting input relating to topics like:

- OPC UA in hardware-constrained devices
- OPC UA, including C2C functionality via UAEX
- OPC UA, including IT infrastructure like APL, SPE, TSN, 5G,
- OPC UA Safety

5. Cloud Interoperability

Innovations, standards, and case studies related to interoperability in scenarios like:

- Interoperability between OT and IT, like OPC UA over MQTT
- Interoperability between Digital Twins
- Interoperability and other information regarding DataSpaces
- Interoperability, information modelling of, and connectivity for Metaverses

6. Government regulations

Research and practices or insights into implementations addressing topics like:

- EU Digital Product Passport (DPP)
- Product Carbon Footprint (PCF)

7. Brownfield Integration

Strategies and solutions for integrating new technologies into existing systems or infrastructure like:

- Reference architectures
- AI-assisted onboarding of legacy devices
- Best practices

8. Success Stories

OPC Foundation is a worldwide community where everybody benefits from community efforts. Please provide your input by sharing with others your:

- Success stories
- Best practices
- Challenges and experiences

9. Visionary Use-Cases

OPC UA is widely used in the industry today for vertical integration in industrial automation use-cases. Here we are interested in Out-Of-The-Box ideas, use-cases which are not the first you would think of regarding OPC UA.

Submission Guidelines:

- Prospective authors are invited to submit original contributions in the form of full research papers, case studies, or experience reports.
- Submissions should adhere to the specified format and be submitted via mail to events@opcfoundation.org by the specified deadline.
- The language of the conference, and for all paper submissions, is English
- All submitted papers will undergo a peer-review process.

Important Dates:

- Paper Submission Deadline: **14th of April 2024**
- Notification of Acceptance: 30th of April
- Camera-Ready Papers Due: 31st of May
- OPC Day International Dates: 17th to 21st of June

Contact Information: For inquiries regarding paper submission and general information, please contact events@opcfoundation.org.

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| <p>Title of Paper Provide a clear and concise title that reflects the content of your paper</p> | |
| <p>Abstract (English) Summarize the main objectives, methodology, results, and conclusions of your paper in a brief abstract</p> | |
| <p>Keywords Include a set of keywords that represent the main topics and themes addressed in your paper.</p> | |
| <p>Authors' Information Include the names, affiliations, e-mail addresses, and other relevant details of all authors</p> | |
| <p>Author Biographies Provide brief biographies for each author, highlighting their qualifications and expertise</p> | |
| <p>Contact Information Specify the corresponding author's contact details, including email address and phone number</p> | |
| <p>Category Indicate the category of your submission from the list outlined in the call for papers.</p> | |
| <p>Paper Classification Indicate the classification under which your paper should be considered (e.g., research paper, case study, experience report, success story)</p> | |
| <p>Acknowledgements If applicable, include any acknowledgements or funding information related to the content.</p> | |