SEI Bulletin

The 43rd International Conference on Conceptual Modeling

Conceptual Modeling, AI, and Beyond

28-31 OCTOBER 2024 | PITTSBURGH, PENNSYLVANIA, USA

ER 2024 Pittsburgh

International Conference on Conceptual Modeling ER 2024 Opens Call for Papers

March 27, 2024—The SEI will host the 43rd International Conference on Conceptual Modeling from October 28-31 in Pittsburgh, Pennsylvania. The conference, also called ER 2024 after its original focus on the entity-relationship model, is accepting submissions for papers through May 19 and workshop proposals through April 5.

The conference's theme is Conceptual Modeling, Artificial Intelligence, and Beyond. "Conceptual modeling provides clear definitions and structures for the data and processes that ML algorithms leverage," said the SEI's Hasan Yasar, general chair of ER 2024. "It establishes a shared understanding of the domain, which is crucial for data preparation, feature selection, and the interpretation of AI outcomes, leading to more accurate, reliable, and transparent AI solutions."

Software engineering researchers and practitioners at ER 2024 will discuss

the ontology of events and relationships as well as knowledge representation in current AI paradigms.

Read more »

SEI News

SEI Event to Collaborate on Approaches to Improve Software Security
Registration and a call for presentations are open for Secure Software by Design, a two-day, in-person SEI event on August 6 and 7.

SEI and OpenAI Recommend Ways to Evaluate Large Language Models for Cybersecurity Applications
A new white paper says evaluation of LLM capability and risk should include real-world cyber scenarios, not just factual knowledge tests.

See more news »

Latest Blogs

5 Recommendations to Help Your Organization Manage Technical Debt
Ipek Ozkaya and Brigid O'Hearn summarize recommendations for the Department of Defense and other development organizations seeking to analyze, manage, and reduce technical debt.

API Security through Contract-Driven Programming
Alex Vesey explores contract programming and specifically how it applies to the building, maintenance, and security of application programming interfaces.

See more blogs »

Latest Podcasts

[The Importance of Diversity in Software Engineering: Suzanne Miller](#)
Suzanne Miller, a principal researcher in the SEI's Software Solutions Division, discusses her career path, the value of mentorship, and the importance of diversity in software engineering.

[The Importance of Diversity in Cybersecurity: Carol Ware](#)
Carol Ware, a senior cybersecurity engineer in the SEI's CERT Division, talks about her career and why diversity is important in cybersecurity.

[The Importance of Diversity in Artificial Intelligence: Violet Turri](#)
Violet Turri, a software developer in the SEI's AI Division, discusses the evolution of her career in AI and why diversity in the field is critical.

[See more podcasts »](#)

Latest Videos

[Ask Us Anything: Supply Chain Risk Management](#)
Brett Tucker and Matthew Butkovic answer your enterprise risk management questions to help your organization achieve operational resilience in the cyber supply chain.

[The Future of Software Engineering and Acquisition with Generative AI](#)
SEI researchers explore the future of software engineering and acquisition using generative AI technologies.

Latest Publications

[Zero Trust Industry Days 2024 Scenario: Secluded Semiconductors, Inc.](#)
This scenario will guide discussions of solutions, submitted to Zero Trust Industry Days, to the challenges of implementing zero trust.

[Considerations for Evaluating Large Language Models for Cybersecurity Tasks](#)
In this paper, researchers from SEI and OpenAI explore the opportunities

and risks associated with using large language models (LLMs) for cybersecurity tasks.

See more publications »

📅 Upcoming Events

Zero Trust Industry Days 2024, May 14-15
The SEI hosts the Zero Trust Industry Days request-for-information exercise to collect information from those who develop solutions for implementing a zero trust architecture.

Secure Software by Design, August 6-7
Collaborate on improving software security with two on-site days of panel discussions and presentations plus two optional on-site days of training.

See more events »

🧑‍🏫 Upcoming Appearances

Navy League Sea Air Space (SAS) 2024, April 8-10
Visit the SEI at booth 218 at the largest maritime exposition in the United States.

See more opportunities to engage with us »

🏅 Upcoming Training

Insider Risk Management: Measures of Effectiveness
April 9-11 (SEI Live Online)

[Foundations of Incident Management](#)
May 14-17 (SEI Live Online)

[See more courses »](#)

👤 Employment Opportunities

[Associate Machine Learning Engineer](#)

[Associate Cybersecurity Engineer](#)

[Vulnerability Analysis - Technical Manager](#)

[All current opportunities »](#)

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