SEI Bulletin

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Humphrey Software Quality Award Nominations Open

August 3, 2022—The 2023 IEEE Computer Society/Software Engineering Institute Watts S. Humphrey Software Quality Award is open for nominations through September 1. The award recognizes an individual's or team's outstanding achievements in improving an organization's ability to create and evolve high-quality software-dependent systems.

"Software is pervasive in everything we do now, in transportation, energy, commerce, and more," said Julia Mullaney, chair of the award committee. "We should be recognizing people, teams, and organizations who are committed to software excellence."

The award is named for Watts Humphrey, known as the "Father of Software Quality."

Read more »

Nominate someone »

SEI News

Humphrey Software Quality Award Nominations Open Through September 1
The award recognizes improvement in an organization's ability to create and evolve high-quality software-dependent systems.

FloCon 2023 Opens Call for Participation
Submit abstracts to the premier conference on big data for network security by August 15.

See more news »

Latest Blogs

UEFI - Terra Firma for Attackers
Vijay Sarvepalli focuses on how the vulnerabilities in firmware popularized by the Uniform Extensible Firmware Interface create a lucrative target for high-profile attackers.

Tactics and Patterns for Software Robustness
Rick Kazman explores software robustness, a key contributor to our trust that a system will perform in a reliable manner.

IT, OT, and ZT: Implementing Zero Trust in Industrial Control Systems
Brian Benestelli and Dan Kambic introduce ZT and ICS concepts, barriers to implementing ZT principles in ICS environments, and methods to leverage ZT concepts in this domain.

See more blogs »

Latest Podcasts

A Dive into Deepfakes

Shannon Gallagher and Dominic Ross discuss deepfakes, the SEI's research into their creation and detection, and current and future threat levels.

Challenges and Metrics in Digital Engineering
Bill Nichols and Suzanne Miller discuss the challenges in making the transition from traditional development practices to digital engineering.

The 4 Phases of the Zero Trust Journey
Timothy Morrow and Matthew Nicolai outline the four steps organizations can take to implement and maintain a zero trust architecture.

See more podcasts »

Latest Publications

Enabling the Sustainability and Success of a National Computer Security Incident Response Team
This guide captures lessons learned from capacity building and national computer security incident response teams.

SEI Zero Trust Industry Day 2022
This collection gathers zero trust resources ahead of Zero Trust Industry Day.

AADL/ACVIP User Day 2022
These presentations were given at the forum on the Architecture Analysis Design Language (AADL), the Architecture-Centric Virtual Integration Process (ACVIP), and associated tools.

See more publications »

Latest Videos

Cybersecurity Assurance Leader
Shane McGraw interviews Matthew Butkovic, technical director of risk and resilience, about the open position of cybersecurity assurance technical manager.

Adapting Agile and DevSecOps to Improve Non-Software Development Teams
Lyndsi Hughes and David Sweeney share their experiences applying Agile and DevSecOps practices in atypical ways.

Where Software Architects Make a Difference
Shane McGraw interviews James Ivers, lead of the SEI's software architecture team, about openings for software architects and software architecture researchers.

Upcoming Events

Webcast - What are Deepfakes, and How Can We Detect Them, August 18
Shannon Gallagher and Dominic Ross discuss deepfakes and how the SEI is building artificial intelligence and machine learning to distinguish real from fake.

SEI Zero Trust Industry Day 2022, August 30-31
Selected vendors, research organizations, and other solution providers will present zero trust architecture proposals.

DevSecOps Days Washington, D.C. 2022, October 12
This virtual conference helps DevSecOps practitioners elevate their practices.

Note: The SEI is evaluating all upcoming courses, conferences, and events case-by-case in light of COVID-19 developments. Check individual event pages for the latest information.

See more events »

Upcoming Training

Documenting Software Architectures
October 17-20, 2022 (SEI, Live Online)

Software Architecture Design and Analysis
November 7-10, 2022 (SEI, Live Online)

Note: The SEI is evaluating all upcoming courses, conferences, and events case-by-case in light of COVID-19 developments. Check individual training pages for the latest information. You may also contact us at courseregistration@sei.cmu.edu or +1-412-268-7388.

See more courses, including live-online and eLearning offerings »

Employment Opportunities

Senior Frontend Web Developer

Lead Nuclear Surety Software Engineer

Machine Learning Engineer

All current opportunities »

Carnegie Mellon University
Software Engineering Institute

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