SEI Bulletin

Educators at 17th Annual Workshop School Up on Cutting-Edge Software Engineering and Pandemic Teaching

September 16, 2020 — The Software Engineering Institute hosted 47 educators from 14 countries at its annual Software Engineering Workshop for Educators from August 4-6. Each year, the SEI holds the workshop to foster an ongoing exchange of ideas among educators of software engineering, as part of its mission to transition its expertise and support science, technology, engineering, and mathematics (STEM) education. Participants of the 2020 workshop learned about software engineering for machine learning, quantum computing, and remote teaching.

Read more »

SEI News

[Educators at 17th Annual Workshop School Up on Cutting-Edge Software Engineering and Pandemic Teaching](#)

Participants shared knowledge on software engineering for machine learning, quantum computing, and teaching during the COVID-19 pandemic.

[CERT Symposium to Explore Insider Risk Management](#)

SEI experts will host the virtual event in September in support of National Insider Threat Awareness Month.

[SEI Releases Source Code for Internet-of-Things Security Platform Kalki](#)

The innovative, software-defined IoT security platform is now available to the community for testing.

[See more news »](#)

 Latest Blogs

[Managing Static Analysis Alerts with Efficient Instantiation of the SCAIFE API into Code and an Automatically Classifying System](#)

Lori Flynn describes new techniques for instantiating SCAIFE API methods and integrating them with users' own tools.

[Insider Threat Incidents: Most Commonly Affected Devices](#)

Sarah Miller discusses the devices affected by insider threat incidents and how they impact insider risk management and incident response.

[The Latest Work from the SEI: Microservices, Ransomware, and Agile in Government](#)

Doug Schmidt highlights the latest work of SEI technologists.

[Organizational Resilience to Insider Threats](#)

Dan Costa discusses discuss the relationship between resilience and insider threat.

[See more blogs »](#)

🎤 Latest Podcasts

CMMC Scoring 101

Andrew Hoover and Katie Stewart, Cybersecurity Maturity Model Certification (CMMC) architects, discuss how assessed DIB organizations are scored according to the model.

Developing an Effective CMMC Policy

Andrew Hoover and Katie Stewart, Cybersecurity Maturity Model Certification (CMMC) architects, present guidelines for developing an effective CMMC policy.

The Future of Cyber: Educating the Cybersecurity Workforce

Bobbie Stempfley interviews Dr. Diana Burley, executive director and chair of the Institute for Information Infrastructure Protection, or I3P, and vice provost for research for American University.

See more podcasts »

📄 Latest Publications

Using Deep Neural Networks to Detect Compromised Hosts in Large-Scale Networks

This presentation discusses the generation of a dataset based on real network data fused with actual threat lists and contextual information.

Code Similarity Detection Using Syntax-Agnostic Locality Sensitive Hashing

This presentation shows how to maintain the security of large codebases by using Syntax-Agnostic Locality Sensitive Hashing (LSH) to detect and search for code similarity.

NICE Framework Cybersecurity Evaluator

This cybersecurity evaluator assesses members of the cyber workforce within the scope of the NICE Cybersecurity Workforce Framework.

See more publications »

🎬 Latest Videos

Webcast - [Risk Management for the Enterprise–How Do You Get Executives to Care About Your Risks?](#)
Brett Tucker and Matthew Butkovic discuss the OCTAVE FORTE process.

Webcast - [Quality Attribute Concerns for Microservices at the Edge](#)
Marc Novakouski and Grace Lewis review characteristics of edge environments with a focus on architectural qualities.

Webcast - [Agile in Government: Go for Insight, Not Just Oversight](#)
This webcast provided practical insights into how a Government Program Office can productively engage with a contractor using Agile and Lean methods.

📅 Upcoming Events

Webcast - [INtersect: Where DoD, Academia, and Industry Meet, September 18](#)
This edition discusses how the SEI's Cyber Workforce Development (CWD) team aims to streamline the building of cybersecurity expertise and amplify it to a globally distributed workforce.

Webcast - [National Insider Threat Center (NITC) Symposium 2020, September 24](#)
This year's event will focus on proactive approaches to reducing the impact and likelihood of insider incidents within organizations.

Webcast - [Threats for Machine Learning, October 6](#)
Learn where machine learning applications can be attacked, the means for carrying out the attack and some mitigations you can use.

> **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

Insider Threat Vulnerability Assessor Training
December 8-10, 2020 (SEI, Live online)

Insider Threat Analyst
December 15-17, 2020 (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 »

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