

# SEI Bulletin

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## SEI Software Product Lines Course Materials Now Freely Available

**February 17, 2021** — The SEI recently released the materials from its *Software Product Lines* curriculum. Anyone can [access the course presentations and videos](#) for free from the SEI website.

From 2003 to 2020, the SEI taught software product line principles to more than 3,500 students from software development organizations, including the Department of Defense (DoD), major defense contractors, and other commercial enterprises. The SEI has since retired and released the materials for the courses [Software Product Lines](#), [Adopting Software Product Lines](#), and [Developing Software Product Lines](#).

"Software product line ideas have become ingrained in many other technical strategies such as open architecture and model-based engineering," said SEI Fellow Linda Northrop. "Still, it is useful to revisit the foundational principles."

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### [SEI Software Product Lines Course Materials Now Freely Available](#)

Presentations and videos for three courses on software product line adoption and development are now available.

### [Accenture Automation Leader to Receive IEEE/SEI Software Process Achievement Award](#)

The recipient of the 2020 IEEE Computer Society/SEI Watts S. Humphrey Software Process Achievement Award is Rajendra “RP” Prasad, global automation lead at Accenture.

### [SEI Releases OCTAVE FORTE Model for Enterprise Risk Management](#)

The OCTAVE FORTE (OCTAVE For the Enterprise) model for enterprise risk management helps executives and other decision makers understand and prioritize the complex risks affecting their organizations.

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### [A Framework for DevSecOps Evolution and Achieving Continuous-Integration/Continuous-Delivery \(CI/CD\) Capabilities](#)

Lyndsi Hughes and Vanessa Jackson provide a framework for organizational planning and implementation of a roadmap to functional CI/CD pipeline capabilities.

### [Top 10 Considerations for Effective Incident Management Communications](#)

Brittany Manley presents the top considerations from the new SEI handbook *Guide to Effective Incident Management Communications*.

### [How Situational Awareness Informs Cybersecurity Operations](#)

Nathaniel Richmond reviews examples of how to use situational awareness in cybersecurity operations.

[\*\*See more blogs »\*\*](#)



## Latest Podcasts

### [VINCE: A Software Vulnerability Coordination Platform](#)

Emily Sarneso and Art Manion discuss the rollout of VINCE, how to use it, and future work in vulnerability coordination.

### [Work From Home: Threats, Vulnerabilities, and Strategies for Protecting Your Network](#)

Phil Groce discusses the security implications of remote work.

### [An Introduction to CMMC Assessment Guides](#)

Andrew Hoover and Katie Stewart, CMMC model architects, discuss the CMMC assessment guides, how they were developed, and how they can be used.

**[See more podcasts »](#)**

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## Latest Publications

### [TwinOps - DevOps meets model-based engineering and digital twins for the engineering of CPS](#)

This paper presents TwinOps, a process that unifies model-based engineering, digital twins, and DevOps practice in a uniform workflow.

### [Guide to Effective Incident Management Communications](#)

This guide provides considerations and best practices for communications responsibilities and activities in support of incident response services.

### [Building a Cybersecurity Awareness Program](#)

This guide provides considerations and best practices for the development and implementation of cybersecurity awareness campaigns and programs.

### [Building Cybersecurity Awareness \(Resource Brochure\)](#)

This resource brochure provides some commonly used resources among the incident response community for building and implementing cybersecurity awareness programs and campaigns.

[See more publications »](#)

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## Latest Videos

Webcast - [SolarWinds Hack: Fallout, Recovery, and Prevention](#)

Matthew Butkovic and Art Manion discuss how the SolarWinds incident challenged the security of systems that are the product of complex supply chains.

[Software Product Lines: Module 1 - Course Introduction](#)

Introductory video for the SEI's 15-module course on software product lines.

Webcast - [Software Engineering for Machine Learning](#)

Grace Lewis and Ipek Ozkaya provide perspectives on the development and operation of ML systems.

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## Upcoming Events

Webcast - [Modeling DevSecOps to Reduce the Time-to-Deploy and Increase Resiliency](#), March 10

This free webcast will discuss why an authoritative reference, or platform independent model, is needed to design an integrated DevSecOps strategy.

**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 »](#)

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## Upcoming Training

## [Introduction to the CERT Resilience Management Model](#)

April 6-7, 2021 (SEI, Live Online)

## [Software Architecture: Principles and Practices](#)

April 19-22, 2021 (SEI, Live Online)

## [Insider Threat Analyst](#)

May 4-6, 2021 (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](mailto:courseregistration@sei.cmu.edu) or +1-412-268-7388.

[\*\*See more courses, including live-online and eLearning offerings »\*\*](#)

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## [\*\*Employment Opportunities\*\*](#)

[Senior Machine Learning Research Scientist](#)

[Embedded Software Developer](#)

[Temporary IT Support Associate](#)

[\*\*All current opportunities »\*\*](#)

**Carnegie Mellon University**  
Software Engineering Institute



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