



**Please join us on the next INCOSE Webinar**

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## **When**

Wednesday August 2<sup>nd</sup> 2017 from 11:00am-12:00pm EDT

## **Topic**

Feature-based Product Line Engineering: PLE for the Enterprise

## **Speaker**

Dr Paul Clements

## **Abstract**

Feature-based Product Line Engineering (PLE) is a game-changing paradigm for addressing systems engineering complexity by dramatically simplifying the creation, delivery, maintenance, operation, and evolution of a product line portfolio. Feature-based PLE enables a unified variant management approach across the full lifecycle including software, systems, electrical, and mechanical domains. Feature-based PLE enables a holistic view into the feature variations for a product family, eliminating the need for different variant management mechanisms across the organization.

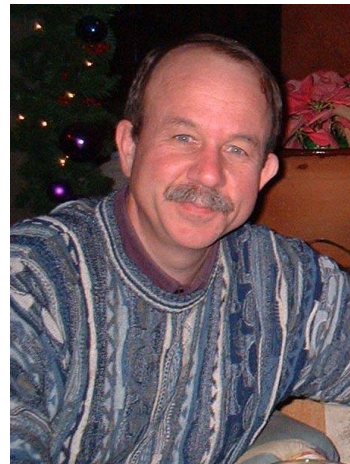
This webinar will explore the *feature ontology* behind Feature-based PLE that provides structure to the myriad distinguishing characteristics among products in a

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product line, allowing for their efficient management and targeted usage by stakeholders throughout the enterprise. Case studies will be presented to spotlight how the world's largest forward-thinking organizations are leveraging Feature-based PLE to engineer their competitive advantage through order-of-magnitude improvements in productivity, time-to-market, portfolio scalability, and product quality. The presentation will also provide insight into INCOSE's ISO PLE standards initiative currently underway.

## Biography

Dr. Paul Clements is one of the founding fathers of the product line engineering (PLE) field. He has in-depth systems and software architecture and analysis expertise, applied research experience, and proven insight for helping commercial organizations define pragmatic solutions to complex engineering problems. Dr. Clements assists BigLever customers in applying the latest PLE approaches, creating optimized deployment plans, and establishing successful ongoing PLE practices. He was previously a senior member of the technical staff at The Carnegie Mellon Software Engineering Institute (SEI) where he gained recognition as co-creator of the book *Software Product Lines: Practices and Patterns*, the SEI's first software product line case study, the SEI Framework for Product Line Practice, the SIMPLE modeling language for product line economics, and the International Software Product Line Conference. Prior to the SEI, he was a computer scientist with the U.S. Naval Research Laboratory. Dr. Clements received his PhD in computer science from The University of Texas at Austin.



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Webex can be used to record meetings. By participating in this meeting, you agree that your communications may be monitored or recorded at any time during the meeting.

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Please note that you can now receive a PDU in support of certification renewal by attending an INCOSE technical webinar. Here is the link to details about certification renewal, including information on PDUs.

<http://www.incose.org/certification/CertFAQs>

Regards,

Andy Pickard  
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[Andrew.C.Pickard@rolls-royce.com](mailto:Andrew.C.Pickard@rolls-royce.com)

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