

SPI MEETS IN SOFIA
Joint Conference: EuroMed SPI & CEE SPI
18th - 19th October 2010
Sofia, Bulgaria

Title of the keynote presentation

Taming Complexity

keynote

Dr. Paul Nielsen, Director and CEO, Software engineering Institute (SEI)

Abstract

The presentation explores how complex systems have quietly come to be woven into the fabric of everyday living in cultures and nations around the world. Through a series of real-world complex system examples – covering everything from energy production to weather to space travel – the presentation illustrates how the design, engineering, and competent management of systems directly affects the societies they serve.

CV

Dr. Paul D. Nielsen is Director and Chief Executive Officer of the Software Engineering Institute (SEI), a Federally Funded Research and Development Center operated by Carnegie Mellon University. The SEI advances software engineering principles and practices through focused research and development, which is transitioned to the broad software engineering community.

The SEI serves as a global leader in process improvement and networked systems survivability.



Additionally, the SEI is a key innovator in software architecture, software product lines, interoperability, the integration of software intensive systems, and the increasing overlap of software and systems engineering. The SEI also provides direct support to more than 50 U.S. government agencies in their efforts to efficiently and effectively acquire new software and systems.

Since joining the SEI in August 2004, Nielsen has overseen the development and expansion of the CMMI product suite, its partner network, and CERT—SEI's network/cyber security efforts—and the growth of the SEI to an organization employing more than 600 employees with operating revenues of \$120 million annually. In addition, he has overseen an increase in research activities related to software architecture, complex systems, and cybersecurity to address both present and future challenges. In all areas, he has expanded interactions with key stakeholders, customers and the global software engineering community.
