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DM22-0046

**Script:** *Software and Systems Collaboration in the Era of Smart Systems*

**SME(s):** *Paul Nielsen*

**Interviewer:** *Suzanne Miller*

**Interview Conducted:** December 13, 2021 at 1 p.m. ET

## <Canned Intro>

**Suzanne:** Welcome to the SEI Podcast Series. My name is Suzanne Miller, and I'm a principal investigator in the SEI's Software Solutions Division.

Today, I am joined by the director of the SEI Dr. Paul Nielsen. We are here to talk about the growing need for the disciplines of systems engineering and software engineering to develop effective ways of collaborating.

Welcome Paul.

**Paul:** *Thank you.*

- 1. Suzanne:** Let's start by telling us about yourself and why, as the director of a federally funded research and development center, you feel it is important to be discussing smart systems of the future.

Paul:

- 2. Suzanne:** What are some of the trends in today's systems that are leading to a convergence of systems and software engineering and the increasingly critical need for these disciplines to collaborate effectively?

Paul:

- 3. Suzanne:** In what ways are boundaries between systems and software engineering beginning to blur?

Paul:

- 4. Suzanne:** What are some opportunities for achieving synergy between systems engineering and software engineering?

Paul:

- 5. Suzanne:** Are there any recent promising developments that indicate progress toward the kind of convergence you've been talking about today?

Paul:

**6. Suzanne:** What can we expect the SEI to do in the future to help our engineering disciplines keep pace with rapid technological change?

**Paul:**

**Suzanne:** Paul, thank you for talking with us today. We will include links in the transcript to resources mentioned during this podcast. Thanks again for joining us.

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