

# **Bonnie Triezenberg**

**Lecturer in Systems Engineering and Computer Science at Loyola Marymount University**

Los Angeles, CA, US

Frank R. Seaver College of Science and Engineering

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## **Biography**

Bonnie Triezenberg is a senior engineer at RAND. Previously, she was the senior technical fellow at the Boeing Company, specializing in agile systems and software development. In her extensive career at Boeing, she contributed to the successful deployment of more than 100 space-based systems, leading system and software development for a wide range of complex systems for weather (GOES), communication (MILSTAR/EHF, HUGHES-NET, WGS), navigation (GPS), and imaging spacecraft for both government and commercial customers. Later in her career she worked across the company to apply innovative development practices to a range of aerospace and defense products. Her policy interests lie generally at the intersections of humans, information technology, and physical systems. She is fascinated by issues that touch on cyber security and safety for critical remotely-controlled systems (such as spacecraft, UAVs, submarines, automobiles, and power plants), privacy in an age of ubiquitous communication, and strategies for deterring the weaponization of outer space and cyberspace. As a woman in the tech industry for 35 years, she also enjoys researching issues of diversity and innovation in industry and in education and how the information age is shaping both. She received a B.S. in aerospace engineering from the University of Michigan, an M.S. in systems science from the University of California-Los Angeles, and a Ph.D. in policy analysis from the Pardee RAND Graduate School.

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## **Industry Expertise**

Computer/Network Security, Aerospace, Research

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## **Areas of Expertise**

Software Engineering ? Architecture & Design Methodologies. Software Development Lifecycle., Space & Intelligence Systems, Software Architecture, Systems Engineering and Design, Program Management, Software and Development, Chief Engineer

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## **Education**

**UCLA**

Master of Science System Science

**University of Michigan**

Bachelor of Science Aerospace Engineering

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