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EXPERT SOURCE SHEET

**Deborah Frincke
IEEE Senior Member**

Areas of Expertise

- Cyber security education
- Predictive and proactive cyber security
- Women in cyber security

Biography

IEEE Senior Member, Dr. Deborah Frincke, has devoted her life to researching the topic of computer security, both open and classified, with a particular emphasis on infrastructure integrity and computer security education.

In addition, Dr. Frincke joined the Pacific Northwest National Laboratory (PNNL) in 2004 as Chief Scientist for Cyber Security Research, and currently leads PNNL's internal research investment in cyber security, the Information and Infrastructure Integrity Initiative. Prior to joining PNNL, Dr. Frincke was a Professor at the University of Idaho, and co-founder/co-director of the University of Idaho Center for Secure and Dependable Systems, one of the first such institutions to receive NSA's designation of a national Center of Excellence in Information Assurance Education. She is a charter member of the Department of Energy's cyber security grass roots community. She is a member of numerous advisory boards, including the University of Washington's Governing Board for the I-School's Center for Cyber Security and Information Assurance.

Earlier in her career, Dr. Frincke co-founded TriGeo Network Systems, whose original products were based on her early research at U of Idaho. TriGeo was recently positioned by Garner in the "Leaders Quadrant" for security information and event management. She has written more than ninety published articles and technical reports.

Dr. Frincke received her PhD from the University of California, Davis.

Trends

- Social media security issues – How is social media shaping the future of the work force?
- Smart Grid Security – privacy issues, protecting the smart grid and consumers
- Why is cyber security training so important to society?
- How to protect against cybercrime
- Why is cyber security one of the hottest majors at universities today?

About IEEE

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