

Quality and Security Expert Joins Dartmouth Research Group

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After a national search we are pleased to announce that Shari Lawrence Pfleeger, Senior Researcher at the RAND Corporation, will become the Director of Research for the I3P, effective September 1, 2010.

Shari has been actively engaged in the I3P consortium for a number of years, having served as primary representative for the RAND Corporation, technical leader of two multi-million dollar I3P research projects and a member of the Executive Committee.

In her new role, Pfleeger will work closely with Martin Wybourne, chair of the I3P and Vice Provost at Dartmouth College, I3P Executive Director Martha Austin and the rest of the I3P staff to develop new avenues of research, broaden the I3P's reach from security to other aspects of quality and dependability, and coordinate the activities of the I3P with other national R&D efforts. She will also work to raise awareness of cyber infrastructure issues among decision makers and industry leaders.

"Shari brings to Dartmouth considerable experience as a system developer, researcher and educator. Her multi-disciplinary perspective on cyber security issues, combined with her ability to work with government, industry and university researchers will strengthen the consortium and open new avenues of opportunity for the I3P. I very much look forward to working closely with her," said Martin Wybourne.

"The I3P, with its diverse and highly talented membership, brings a critical voice to the national

discussion of how to design, build, maintain and use extraordinarily complex information systems," says Pfleeger. "With members drawn from universities, non-profit research organizations, and U.S. national laboratories, the institute brings an unparalleled perspective to pressing issues related to privacy, security, dependability and safety. From health information systems to process control systems, from data mining to mobile phone privacy, the I3P has the expertise to address them."

An internationally recognized expert in software engineering, system quality, and computer science research methods, Pfleeger brings impressive technical skills to the I3P. For the past eight years, she has built RAND's capabilities in software measurement and cyber security. During that time, she led I3P-funded projects on the economics of security and on assessing insider threat. For 20 years prior to joining RAND, she led a consultancy specializing in assessing whether and how information technology supports government and business goals. Pfleeger is the author of over 100 papers and more than a dozen textbooks and professional books; *Security in Computing*, co-authored with Charles Pfleeger, is one of Prentice Hall's most-adopted texts worldwide. She has also appeared in the media, discussing the impact of cyber security on our daily lives.

When asked what drew her to the I3P and to Dartmouth, Pfleeger noted the excellence that defines both institutions. "Both the I3P and Dartmouth have stellar reputations for academic integrity and multi-disciplinary approaches to complex problems. I look forward to continuing the I3P's excellent work: building collaborative, multi-disciplinary teams to address difficult problems with practical solutions."

A senior member of the Institute of Electrical and Electronics Engineers, Pfleeger has been associate editor-in-chief of *IEEE Software* magazine, associate editor of *IEEE Transactions on Software Engineering*, and associate editor and book review editor of *IEEE Security and Privacy* magazine. As a member of the Association for Computing Machinery, she was the founder and first director of the ACM Committee on the Status of Women and Minorities. She recently was named a member of an Institute of Medicine committee reviewing the effectiveness of the Food and Drug Administration's oversight of medical device safety. Pfleeger has a bachelor's degree in mathematics from Harpur College, master's degrees in mathematics and planning from the Pennsylvania State University and a Ph.D. in information technology and engineering from George Mason University. She was also awarded an honorary doctorate by Binghamton University for her philanthropy and social activism.