

Qualification Statement for participation in the Fourth Information Survivability Workshop ISW-2001

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I am currently a PhD student at the University of Idaho working in the area of computer security and survivability. My past research interests have focused on network intrusion detection, both anomaly and signature based. Currently, I am interested in extending concepts of computer security to survivability. In particular, I am interested in techniques or methods that allow a system to resist attack or recover from attacks with little noticeable degradation of functionality.

My reason for wanting to attend the survivability conference is primarily to learn the current state of the practice in survivability research. My plan is to concentrate on survivability issues for my PhD dissertation and I am in the process of formulating my problem. Another reason for attending a workshop is to contribute to the discussion. The research I am doing with Axel Krings, Scott Harrison and Nadine Hanebutte in survivability using kernel signatures deals with survivability issues and provides another perspective on this subject.