

Request for invitation to ISW 2001 — Qualification Statement

Chuck. Weinstock
Software Engineering Institute
Carnegie Mellon University
4500 Fifth Ave.
Pittsburgh, PA 15213
412-268-7719
412-268-5758 (Fax)
weinstock@sei.cmu.edu

I am a member of the Performance Critical Systems initiative at the Software Engineering Institute and have been active in dependable computing since the late 1970's. My experience includes work as a member of the team that developed the SIFT fault-tolerant computer at SRI International, and I am currently leading an effort (model-based verification) at the SEI to attempt to transition the use of light-weight formal methods and model checking as a tool for developing reliable critical systems. I will also be the General Chair for the International Conference on Dependable Systems and Networks to be held in San Francisco in June of 2003.

I am interested in attending the workshop for at least two reasons. I would like to begin to expand the model-based verification work into the area of survivable systems if appropriate. And, I would like to figure out a way to more fully integrate the ISW community into the DSN conference that I will be chairing.

Questions

1. What role can light-weight formal methods play in developing survivable systems?
2. What can the broader dependable systems community offer the survivable systems community (and the converse)? Are they actually different communities?
3. How can we change/modify the DSN conference to be more relevant to the ISW community? In 2001 we had a track/workshop but it seemed to not integrate very well.