Web profile of Prof. Doron Drusinsky

I received a PhD. Degree in Computer Science from Weizmann Institute of Science in 1988. I joined the Naval Postgraduate School in 2002, and am currently an associate professor of Computer Science.

Career Highlight

1. Primary research focus in the past 15 years has been software assurance by means of specification-based run time monitoring and verification (RM/RV).
2. Introduced the RV technique by creating the first RV tool, based on monitoring infinite data streams for Temporal Logic (LTL and MTL) patterns.
3. Developed the StateRover UML-based modeling, development, and V&V toolset. The StateRover caters for on-line monitoring as well as remote or log-file based verification. The StateRover is in active use by the Missile Defense Agency (MDA) and NASA.
4. I applied RV techniques as part of the 2010 Toyota runaway acceleration software investigation team.
5. Later extended the RV technique to include systems with hidden data artifacts and systems with hidden/covert data streams.

Expertise and Research Interests

I am interested in developing software diversification techniques for cyber defense.