

Keynote (D-2): A Philosophy of Information Assurance and Thoughts on the Future

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Stephen is a researcher in Active Networking and Algorithmic Communications Network Theory at the GE Global Research Center. He explores novel concepts in complexity and algorithmic information theory for applications ranging from network management and wireless ad hoc networking to RNA sequence analyses and novel concepts in nanotechnology-based networking. He has been the Principal Investigator for many DARPA and Lockheed Martin sponsored research projects including: Active Networking (DARPA/ITO), Information Assurance and Survivability Engineering Tools (DARPA/ISO), Fault Tolerant Networking (DARPA/ATO) and Connectionless Networks (DARPA/ATO), an energy aware sensor network project. Stephen coauthored a book on active network management, titled *Active Networks and Active Network Management: A Proactive Management Framework*, published by Kluwer Academic Publishers. Before joining GE Global Research, Stephen was a researcher at the Information and Telecommunications Technologies Center (ITTC) at the University of Kansas. He completed his Ph.D. research at the University of Kansas where he received a Strobel Scholarship Award.