

COMPUTER SCIENCE RESEARCH SEMINAR

Towards Automation Practice, Binghamton University

Friday, September 21 at noon in room U15, Engineering Building

The unprecedented scale and sophistication level of modern cyber-attacks call for new defensive methodologies more effective than those commonly deployed in practice. A key dimension in improving cybersecurity is to automate defensive cyber operations so

summarize our recent research efforts towards the goal of cyber defense automation. Within a framework that models cyber-attacks as human exploitation of

challenges we have faced in automating vulnerability discovery in 4G/LTE communication systems, cloud-based malware classification, and deception of human attackers aimed at compromising FTP services.

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