

IEEE Southern Alberta Control Systems & Instrumentation



Next Event	13 Ways To Break A Firewall
Organized By	IEEE Control Systems & Instrumentation
Date	Thursday, May 4th, 2017, Start at 5:30 PM
Speakers	Andrew Ginter, VP Industrial Security at Waterfall Security Solutions
Location	110 – 12 Ave SW, Calgary, AB TransAlta Building, Atrium 1
Fees	Member: \$15, Non Member: \$25, Full time Student: Free
Registration	Click here to register

Abstract

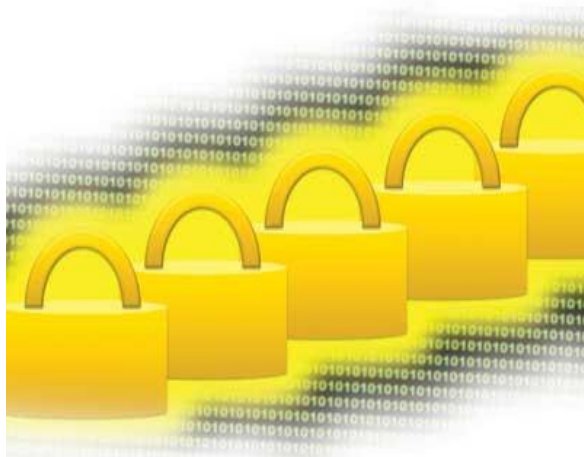
Firewalls are almost always the first technology investment in a new ICS security program, but are they secure? Firewalls have been with us for more than 25 years now – both the good guys and bad guys know how to break through them. Join us to review 13 ways to break through a firewall, each with between dozens and thousands of examples in the wild. Time permitting, up to five of these techniques will be demonstrated live, on a modern, next-gen firewall. This presentation also reviews seven compensating measures deployed routinely to address firewall vulnerabilities on control system networks, and evaluates each measure against each of the 13 classes of attacks.





Andrew Ginter, VP at Waterfall Security Solutions

Bio: Andrew Ginter is the Vice President of Industrial Security at Waterfall Security Solutions. He spent 25 years leading the development of commercial products for a variety of computer networking, industrial control system and industrial cyber-security vendors. Andrew is currently an Adjunct Assistant Professor of Electrical and Computer Engineering at Michigan Technological University, the co-chair of the ISA SP-99 WG1 working group, and the author of "SCADA Security - What's broken and how to fix it." He represents Waterfall Security Solutions to NIST, NERC-CIP, the Industrial Internet Consortium, other ISA SP-99 working groups, and other cyber-security standards bodies. He holds degrees in Applied Mathematics and Computer Science from the University of Calgary, and is an IEEE member.



Program for Thursday, May 4th, 2017:

- » 5:15 Registration
- » 6:00 Introduction
- » 6:15 Presentation
- » 7:00 Break and a Quick Snack
- » 7:30 Presentation Resumes
- » 8:15 Q&A
- » 8:30 Networking
- » 9:00 Doors close

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IEEE Control Systems and Instrumentation chapter committee has opening for two new committee members. If you are interested, please contact Matt Eskandar, Chair at matt.eskandar@mrscsi.com.

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