



## Mitigating Cyber Attacks

Lunch seminar at Security Arena, October 19



Speaker Magnus Almgren

Cyber attacks against both individuals and companies are becoming more frequent. They range from large-scale denial-of-service attacks to more surreptitiously targeted attacks to steal sensitive data, such as financial information. A single visit by an employee to a malicious web site might infect

a whole intranet. As the current trend is to automate more functions in society, we should expect the attacks to also increase in the future.

One way to detect these attacks is to use so-called intrusion detection systems (IDS). In this seminar, Magnus Almgren gives a brief overview of intrusion detection systems and discusses some of their weaknesses from a research perspective, with recent research findings to improve their function. Magnus then turns to a practical case by discussing an ongoing analysis of unwanted and malicious traffic on an Internet backbone link. Analyzing highly aggregated data on the backbone gives a wider perspective of current attack trends but (on the downside) comes with additional challenges: speed of the network, amount of data, as well as the balance between privacy aspects of regular users and detection capability of our system.

**Date:** October 19, 11.30 – 12.30. We offer a light lunch at 11.30 and the seminar starts at 11.45.

**Title:** Mitigating Cyber Attacks

**Speaker:** Magnus Almgren, Postdoc, Chalmers

**Location:** Lindholmen Science Park, Göteborg.

Register at Visitors Centre, main floor.

**Registration:** By e-mail to [anmalan@lindholmen.se](mailto:anmalan@lindholmen.se) no later than 15th of October. The seminar is open to all who have an interest in societal security and the use of information technology. The number of participants is limited.

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## Security Arena

Security Arena at Lindholmen Science Park carries out research, methods and technology development applied to all phases of crisis management. Besides the research the work aims to conceptual development and pilot projects in collaboration between the industry, academia and end-users. This is a joint work between Lindholmen Science Park, Swedish Civil Contingencies Agency, Volvo, Saab, Ericsson and Chalmers University of technology. One of the goals is to spread knowledge about societal security and we are pleased to invite you to a series of free seminars about the research taking place at Security Arena. Read more: [www.lindholmen.se](http://www.lindholmen.se)

