Curriculum Vitae — Diego Zamboni

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Personal information

Diego Zamboni
Etzelstrasse 33,
CH-8820 Wädenswil,
Switzerland

Daytime phone: +41-1-724-8687
Personal phone: +41-1-(0)76-370-7969
Email: `diego@zzamboni.org`
`http://www.cerias.purdue.edu/homes/zamboni/`

Research interests and activities

General areas of interest:
Intrusion detection, operating systems security, network security.

Sample research projects at IBM:

Billy Goat: An active worm-detection tool.

Exorcist: Host-based, behavior-based intrusion detection using sequences of system calls.

Living laboratory: Environment for deployment and testing of intrusion detection systems in a real production network.

Ph.D. thesis research:
Utilization of internal sensors and embedded detectors for intrusion detection.

- Study of data collection methods for intrusion detection systems.
- Implementation of novel methods for data collection in intrusion detection systems.
- Analysis of the properties, advantages and disadvantages of internal sensors and embedded detectors as data collection and analysis elements in intrusion detection systems.

Other projects: Using autonomous agents for intrusion detection.