



Research Institute for Security in the Information Society RISIS

«IT Security is a prerequisite for the sustainable
development of the information society.»

Prof. Dr. Eric Dubuis, Head of RISIS



Bern University
of Applied Sciences

RISIS - Research Institute for Security in the Information Society

The Institute for Rehabilitation and Performance Technology IRPT is member of BFH-Centre for Technologies in Sports and Medicine

The mission of RISIS is to conceive, design, and implement novel techniques and tools to further advance IT security in the information society.

The expertise of RISIS covers a wide range of IT security topics. Our activities range from fundamental research over applied R&D to selected consulting services. Our projects are supported by various funding agencies including CTI, EU, SNSF, Hasler Foundation, etc.

Core Competences

- Design, implementation and security review of cryptographic systems
- Malware analysis and reverse engineering
- Security engineering in the domains of IP, web intelligence, forensics, and mobile applications
- Privacy-by-design such as secure e-voting, e-ticketing, and road pricing systems
- Working with large sensitive datasets, e.g., in medical applications
- Secure “Internet of Things”

Our R&D activities are regularly published on some of the best known IT security conferences.

Team

Our institute consists of 12 full-time professors and about as much academic staff and postgraduate students. For our innovative, solution-oriented approach we rely on sound scientific principles. We regularly collaborate with national and international partners from industry, government, and academia, and we are open to new collaborations.

Research Groups

Security Engineering Lab: Development of novel techniques and tools for improving and analyzing the security of IT systems in the domains of web intelligence and forensics, security in IP, malware analysis, and reverse engineering

E-Voting Group: Design and development of verifiable e-voting systems

Security and Privacy Group: Development and promotion of privacy-enhancing technologies

Wireless Communications and Secure Internet of Things: Establishment of a generic sIoT platform aiming at a high reuse factor for IoT projects, provisioning of low-energy, low bandwidth connectivity among actors and sensors

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