

Research profile SEARCH-LAB Ltd

A RESEARCH SME FROM HUNGARY

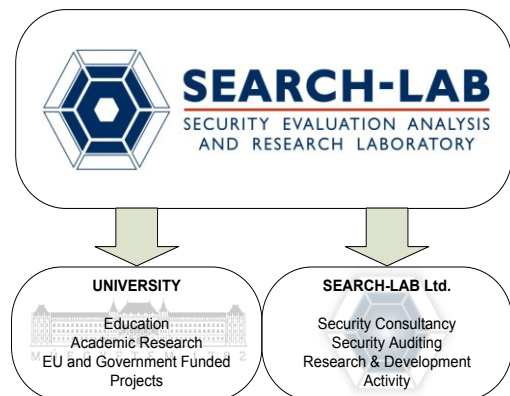
SEARCH Laboratory was established in 1999 at the Budapest University of Technology and Economics with a focus on **security research and development**.

In 2002 the leaders of the laboratory founded SEARCH-LAB Ltd as a **spin-off company** to provide the legal and infrastructural background for dependable professional services.

The cooperation of the university laboratory – with a strong research and educational background – and the professional dedicated company provides an incomparable combination that can successfully face a wide variety of challenges from research through development to high-level consulting services.

In the last decade SEARCH-LAB Ltd gained international market recognition in **product security** in various domains, including desktop, OS, mobile device and gadget security, DTV conditional access systems and embedded systems in general. Secure product development is also supported by our **Secure Coding Academy**, providing courses specifically tailored for software development groups. By continuous attack technology watch we also support developers by monitoring underground sources to learn about the ways attackers bypass the applied protections.

The lab has a strong research expertise in methods and tools for security evaluation and testing, software security and malware analysis, and are experienced players in funded R&D projects ever since FP5, with a track record of dozens of successful projects, both IPs and STREPs.



EXPLOITATION AGENCY



NOVINEX Innovation and Research Exploitation Agency Ltd was founded by the laboratory with the primary aim to help innovative teams in **exploiting research project results**. Thus, it can play a role in dissemination and exploitation activities in research projects, but can also take the responsibility of project coordination.

RESEARCH PARTNER HIGHLIGHTS



Research partnership

SOME RECENT RESEARCH PROJECTS



ANIKETOS – Secure and trustworthy composite services (FP7 IP)
<http://www.aniketos.eu/>



STANCE – A source code analysis toolbox for software security Assurance (FP7 STREP) <http://www.stance-project.eu/>



INTER-TRUST – Interoperable Trust Assurance Infrastructure (FP7 STREP) <http://www.inter-trust.eu/>



SECFUTUR – Design of secure and energy-efficient embedded systems for Future Internet applications (FP7 STREP) <http://www.secfutur.eu/>



uTRUSTit – Usable TRUST in the Internet of Things (FP7 STREP)
<http://www.utrustit.eu/>



SHIELDS – Detecting known security vulnerabilities from within design and development tools (FP7 STREP) <http://www.shields-project.eu/>



OpenTC – Development of trusted and secure computing systems based on open source software (FP6 IP) <http://www.opentc.net/>

RESEARCH EXPERTISE

We are interested in joining initiatives in Horizon 2020 where **security** is critical, and an SME partner from Hungary would fit well to the consortium.

Research expertise and interests

- Gadget and mobile device security, securing embedded systems
- Software security, vulnerabilities, attack methods and protection techniques
- DTV and conditional access security
- Methods and tools for security evaluation, automated security testing
- Digital Rights Management, copy protection
- Trusted Computing platforms
- IT security in cars / vehicles

Possible contributions to projects

- Flinder smart fuzz testing tool
- MEFORMA security evaluation methodology
- SVRS vulnerability repository
- Security feedback mechanism to enhance user trust in IT / Internet of Things
- Distributed Denial of Service protection / IDS
- SW security courses, training support tools

CONTACTS

Get back to us if you need an experienced research partner with a strong expertise in the above areas, a solid track record in research projects and access to an extensive network of partners.

For further references please visit one of our relevant web sites:

Web site: <http://www.search-lab.hu/>

Secure Coding Academy: <http://www.securecodingacademy.com/>

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