DIPLÔME D’INGENIEUR DE SPECIALISATION
SECURITE DES SYSTEMES INFORMATIQUES ET DES COMMUNICATIONS

Exemple de projets de semestre récents :

• A PIR-based approach for secure data deduplication in cloud storage
• ADSL Security Analysis
• Attack Crawler for Modern Networked Systems
• Baseband firmware security analysis
• Building a Scalable, Distributed Database for Big Data Analytics in Security Applications
• Configurator UI for Avatar
• Cool, Bonsai Cool: Unleashing the Power of ElasticSearch for Real-Time Security Analysis in the Cloud
• Decentralized Location Sharing for Smartphones
• Design of an advanced address generator
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• Design of software drivers for Ethernet transceivers
• Digging for maliciousness
• Embedded devices software security
• Embedded system configurator
• Extend Ttool to support DiplodocusDF
• Fault attack against DES
• Firmware Reverse Engineering and Security Analysis
• Fuzzing framework/tools for MODE-S, TIS and ADS-B (AirTrafficControl) protocols
• Implementation of secure and privacy preserving protocol for data analysis
• Improvement of a Postscript framework and toolset
• Infection risks of a samsung gear fit watch
• Large-scale Customer Location Inference
• Learning from Personal Data Collected on Mobile Devices
• Monitoring Android baseband system status for GSM fuzzing
• Private Photo Sharing using Smartphones and Personal Clouds
• Real-time analytics with probabilistic data structures
• Study security aspects of WMF and EMF file formats from printing security perspective
• Symbolic execution of GhostScript/GS and other PostScript/PS interpreters
• Using Android smartphones or tablets to pilot graphical interfaces running on computers
• Visualizing traceroute data; mapping attack routes on the Internet
• Wireless Power security
• Zigbee wardriving, a feasibility study