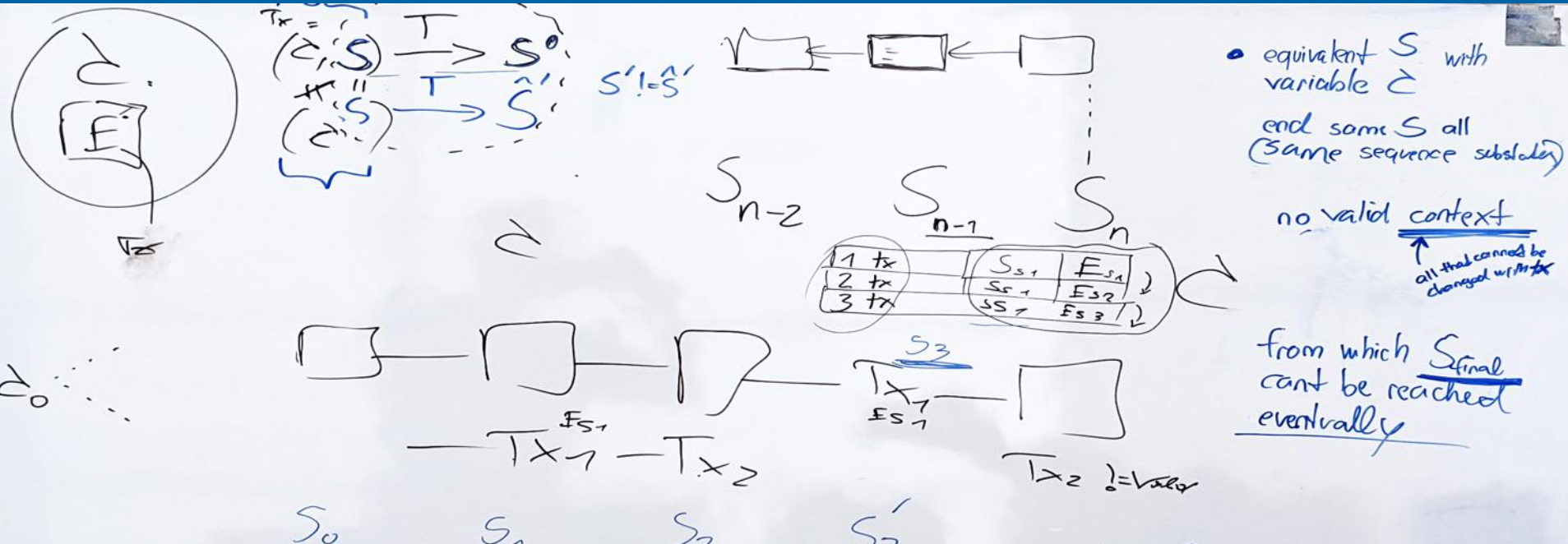


Security Research in Austria





Research Group Security and Privacy



<https://sec.cs.univie.ac.at/>



Forschung in Österreich - Wo?

- AIT
- TU Graz
- FH Oberösterreich - Hagenberg
- SBA Research
- TU Wien
- Universität Wien
- FH St. Pölten
- FH Technikum Wien
- FH Campus Wien
- JKU
- FH Salzburg

Forschung in Österreich - Wie finanziert? & Warum interessiert mich das?

- EU-Projekte
- **CDG**
- **FFG**
- FWF
- Div. Stiftungen
- (Finanzministerium: Forschungsprämie)

AIT - Austrian Institute of Technology



EBNER®

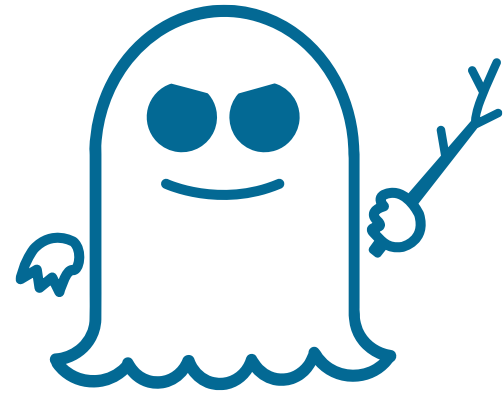


- AECID Automatic Event Correlation for Incident Detection
- Threatget - Security by Design & low code system development
- AIT Cyber Range - digital twin für OT-Systeme
- **Catch - Dating Plattform für Maschinen ein moderner Marktplatz durch Verwendung von Blockchain und Smarte Verschlüsselung**

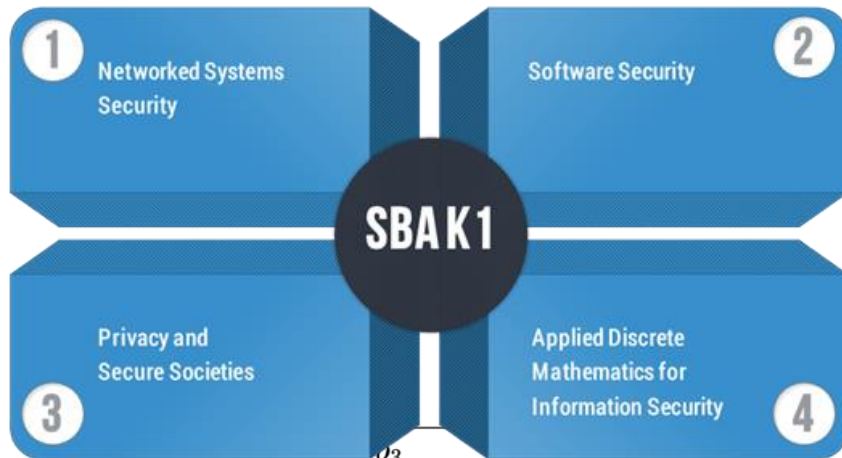
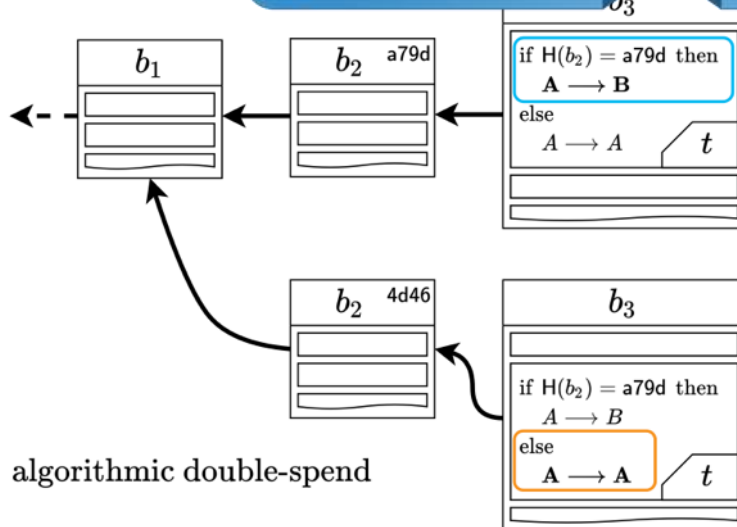
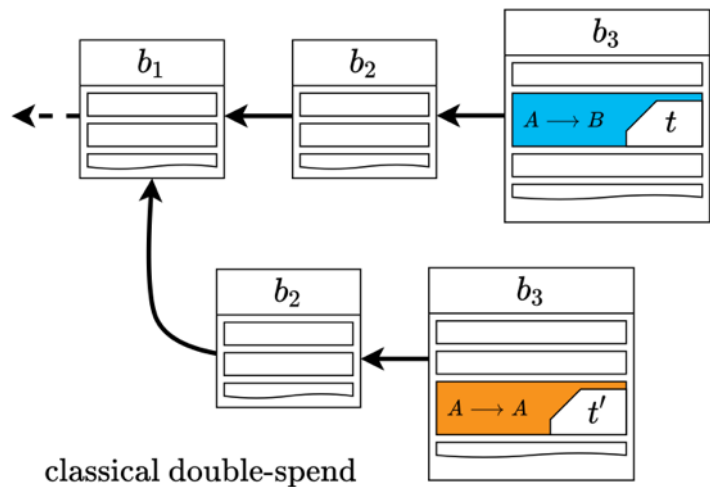
<https://www.catch.direct/news/>

IAIK – TU Graz

- Meltdown and Spectre
- <https://meltdownattack.com>
- Systems Security & Kryptographie

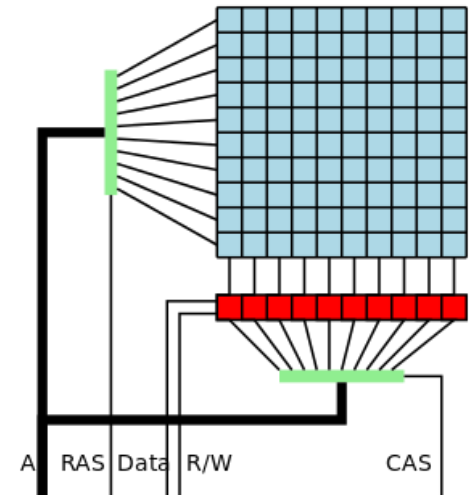


SBA Research



TU Wien

- Formal Methods for the Security Analysis of Smart Contracts, Payment Channel Networks
- Rowhammer



Josef Ressel Zentrum für Blockchain-Technologien & Sicherheitsmanagement

Das Josef Ressel Zentrum für Blockchain-Technologien & Sicherheitsmanagement ist eine Forschungseinrichtung der Fachhochschule St. Pölten. Ziel ist es (zukunfts)sichere Blockchain-basierte Technolo...

FH St. Pölten



Josef Ressel Zentrum für konsolidierte Erkennung gezielter Angriffe (TARGET)

Das Josef Ressel Zentrum für konsolidierte Erkennung gezielter Angriffe (TARGET) ist eine Forschungseinrichtung an der FH St. Pölten. Es erforscht neue Techniken zum Erkennen und Abwehren gezielter ...



Two domains are particularly important and challenging areas of research that our group currently works in:

- **Distributed Ledger Technology** (aka Blockchains) in cooperation with » [SBA](#);
- **Development Lifecycle of IT** in Production Environments with the » [CD-Lab SQL](#)



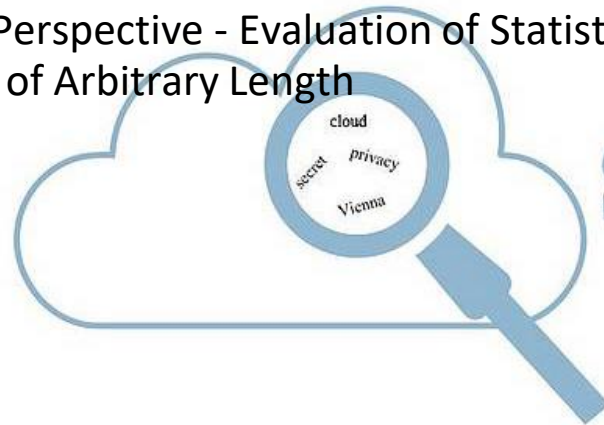
CHRISTIAN DOPPLER LABOR FÜR DIE VERBESSERUNG VON
SICHERHEIT UND QUALITÄT IN PRODUKTIONSSYSTEMEN



CHRISTIAN DOPPLER LABORATORY FOR SECURITY AND
QUALITY IMPROVEMENT IN THE PRODUCTION SYSTEM
LIFECYCLE

FH Campus Wien

- Searchitect - Searchable Encryption
- How Little is Enough? Implementation and Evaluation of a Lightweight Secure Firmware Update Process for the Internet of Things
- Safety & Security in the Context of Autonomous Driving
- Putting Chaos into Perspective - Evaluation of Statistical Test Suite Implementations on Isolated Sequences of Arbitrary Length



searchitect.eu
Privacy preserving search for the cloud



The Android Platform Security Model

Android is the most widely deployed end-user focused operating system. With its growing set of use cases encompassing communication, navigation, media consumption, entertainment, finance, health, and access to sensors, actuators, cameras, or microphones, its underlying security model needs to address a host of practical threats in a wide variety of scenarios while being useful to non-security

JKU

Tobias Höller, Michèle
August 2021 · *Pro
Internet*

On the state of V3 onion services

Tor onion services are a challenging research topic because they were designed to reveal as little metadata as possible which makes it difficult to collect information about them. In order to improve and extend privacy protecting technologies, it is important to understand how they are used in real



René Mayrhofer, Stephan Sigg

October 2021 · *ACM Comput. Surv.*

Adversary Models for Mobile Device Authentication

Mobile device authentication has been a highly active research topic for over 10 years, with a vast range of methods proposed and analyzed. In related areas, such as secure channel protocols, remote authentication, or desktop user authentication, strong, systematic, and increasingly formal threat models have been established and are used to qualitatively compare different methods. However the



Josef Ressel Zentrum für Intelligente und Sichere In- dustriearomatisierung

JR-Zentrum für Anwenderorientierte Smart Grid Privacy,
Sicherheit und Steuerung

LEITUNG



Prof.(FH) Priv.Doiz. DI Mag. Dr. Dominik Engel
Fachhochschule Salzburg GmbH
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Vienna Cyber Security and Privacy

- TU Wien [SecInt Doctoral College](#)
 - 10 PhD positions co-funded by AIT
 - Industrial partners: Amazon, Microsoft, Intel,...
 - ~2.4M over 4 years: ~2.22M from TUW, 180K from AIT
- FWF Sonderforschungsbereich SPyCoDe
 - ~4.4M over 4 years from FWF
 - Industrial partners: Amazon, Microsoft, Intel,...
- Joint application FWF Cluster of Excellence „Trustworthy Systems“
 - under evaluation
 - ~70M over 10 years
 - Industrial partners: Amazon, Microsoft, Intel, Google, Certora,...
- 5 ERC grants since 2019
 - ~11M from EU
- Various other joint projects (FFG, FWF, WWTF, CD-Lab,...)



SPyCoDe



SBA Research

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