

Sven Bugiel

Curriculum Vitae (Online Version)

Last update: May 5, 2017

Personal Data

web <https://trust.cispa.saarland/~bugiel/>

Education

- 2010, Oct – 2015, Dec **Dr.-Ing. (Ph.D. in Security in Information Technology) with distinction**, *Department of Computer Science, Faculty of Natural Sciences and Technology I, Saarland University.*
Thesis: *Establishing Mandatory Access Control on Android OS.*
Advisor: Prof. Dr.-Ing. Michael Backes (Saarland University)
Reviewers: Prof. Patrick McDaniel (PennState University), Dr. Christian Rossow (Saarland University)
- 2008, Aug – 2010, Jun **M.Sc. in Security and Mobile Computing (with distinction)**, *Technical University of Denmark, Copenhagen, Denmark and Royal Institute of Technology, Stockholm, Sweden*, Student in the NordSecMob Erasmus Mundus Master's Programme in Security and Mobile Computing.
Focus on Theoretical Computer Science, Applied Cryptography, High-Performance Computing, Functional Programming, Advanced Internetworking, Interdomain Routing, Internet Security.
Master thesis: *Using TCG/DRTM for application-specific credential storage and usage* (in cooperation with Nokia Research Center, Helsinki, Finland).
Supervisors: Prof. Christian Damsgaard Jensen (Technical University of Denmark), Prof. Peter Sjödin (The Royal Institute of Technology)
Instructor: Jan-Erik Ekberg (Nokia Research Center)
- 2007, Sep – 2008, May **European Erasmus student exchange programme**, *Helsinki University of Technology, Finland (now Aalto University, Helsinki, Finland).*
Focus on Design and Analysis of Algorithms, Operating Systems Design, Practical Security of Information Systems, Malware Analysis and Antivirus Technologies, Distributed Systems.
- 2004, Oct – 2008, Aug **Vordiplom (Pre-Diploma) in Security in Information Science**, *Horst Görtz Institute for IT Security, Ruhr-University Bochum, Germany.*
Focus on Mathematics, Theoretical and Practical Cryptography, Network and System Security, Information Sciences, Electrical Engineering.
- 1994–2003 **Abitur (German high-school diploma)**, *Gymnasium Sonthofen, Germany*, Leistungskurse (Advanced Classes): Mathematics and Physics.

Research Experience

- Since 2016, **Research Group Leader**, *Trusted Systems Group, Center for IT-Security, Privacy, and Accountability (CISPA)*, Saarland University, Germany.
May
Research focus on (mobile) operating system security and trusted computing.

- 2013, Apr – **Research Assistant**, *Information Security and Cryptography Group, Center for IT-Security, Privacy, and Accountability (CISPA)*, Saarland University, Germany.
2016, Apr Work in the area of mobile security.
- 2010, Oct – **Research Assistant**, *System Security Lab, Center for Advanced Security Research Darmstadt (CASED)*, Technische Universität Darmstadt, Germany.
2013, Mar Work in EU research project TClouds (see Projects below) and the area of mobile security.
- 2010, **Research Intern**, *Nokia Research Center, Helsinki, Trustworthy Mobile Platforms Group*,
Jan–Jun Helsinki, Finland.
Master thesis and publication “Implementing an Application-Specific Credential Platform Using Late-Launched Mobile Trusted Module” advised by Jan-Erik Ekberg and N. Asokan
- 2009, **Research Intern**, *Nokia Research Center, Helsinki, Trustworthy Mobile Platforms Group*,
Jun–Aug Helsinki, Finland.
Binding execution of secure execution environments to user-space programs; advised by Jan-Erik Ekberg and N. Asokan
- 2008, **Research Intern**, *Nokia Research Center, Helsinki, Trustworthy Mobile Platforms Group*,
Jun–Aug Helsinki, Finland.
Topic “Implementation of software-based Mobile Trusted Module for mobile secure execution environments” advised by Jan-Erik Ekberg and N. Asokan

Projects

EU FP7 project Trustworthy Clouds (TClouds)

<http://tclouds-project.eu/>

BizzTrust: Secure Dual Usage of Smartphones in Business Context

<http://www.bizztrust.de/>

Invitations

Dagstuhl Seminar 11492, “Secure Architectures in the Cloud” (12/2011). Organizers: Sabrina De Capitani di Vimercati, Wolter Pieters, Christian W. Probst, Jean-Pierre Seifert

Scientific Service

Program Committee Member

SysTEX '16 (Workshop on System Software for Trusted Execution)

IEEE EuroS&P '16 (1st IEEE European Symposium on Security and Privacy)

Poster Program Committee Member

ACM CCS '16 (ACM Conference on Computer and Communications Security)

Reviewer

SPE'13 (Software: Practice and Experience)

IEEE TDSC'14 (IEEE Transactions on Dependable and Secure Computing)

IEEE TDSCSI'14 (IEEE Transactions on Dependable and Secure Computing Special Issue on Security and Privacy in Mobile Platforms)

IEEE TIFS'17 (IEEE Transactions on Information Forensics and Security)

External Reviewer

ACM ASIACCS '11 (Information, Computer and Communications Security)

ACM ASIACCS '13 (Information, Computer and Communications Security)

ACM CCS '12 (ACM Conference on Computer and Communications Security)

ACM CCS '14 (ACM Conference on Computer and Communications Security)

ACM CCSW '12 (ACM Cloud Computing Security Workshop)
 ACM CODASPY '13 (ACM Conference on Data and Application Security and Privacy)
 ACM IHI '12 (ACM SIGHIT International Health Informatics Symposium)
 ACM STC '11 (ACM Scalable Trusted Computing)
 ESORICS '11 (European Symposium on Research in Computer Security)
 ESORICS '12 (European Symposium on Research in Computer Security)
 ESORICS '15 (European Symposium on Research in Computer Security)
 ESORICS '16 (European Symposium on Research in Computer Security)
 IEEE S&P'13 (IEEE Symposium on Security and Privacy)
 IEEE TrustCom '11
 NDSS '12 (Network & Distributed System Security Symposium)
 NDSS '13 (Network & Distributed System Security Symposium)
 NSS '11 (Network and System Security)
 SEC '11 (USENIX Security)
 SEC '16 (USENIX Security)
 SEC '17 (USENIX Security)
 WISSEC '12 (Workshop on Information and System Security)

Teaching Experience

- Summer term 2017 **Proseminar**, *Hacking*, Co-supervised with Prof. Dr. Michael Backes and Prof. Dr. Christop Sorge, Center for IT-Security, Privacy, and Accountability (CISPA), Saarland University, Germany.
- Winter term 2016/2017 **Advanced Lecture**, *Mobile Security*, Center for IT-Security, Privacy, and Accountability (CISPA), Saarland University, Germany.
- Winter term 2016/2017 **Proseminar**, *Practical Aspects of Cybersecurity*, Center for IT-Security, Privacy, and Accountability (CISPA), Saarland University, Germany.
- Summer term 2016 **Advanced Lecture**, *Android Security*, Center for IT-Security, Privacy, and Accountability (CISPA), Saarland University, Germany.
- 2013, Apr – 2016, Apr **Teaching Assistant**, *Information Security & Cryptography Group, Center for IT-Security, Privacy, and Accountability (CISPA)*, Saarland University, Germany.
 Preparation and supervision of a practical course on Android security in Summer Term 2013, Winter Term 2013/2014, and Winter Term 2014/2015. Co-organized a Proseminar Hacking in Summer Term 2014, Summer Term 2015, and Summer Term 2016. Teaching assistant for Foundations of Cybersecurity in Winter Term 2014/2015 and Winter Term 2015/2016.
- 2010, Oct – 2013, Mar **Teaching Assistant**, *System Security Lab, Center for Advanced Security Research Darmstadt (CASED)*, Technische Universität Darmstadt, Germany.
 Exercises and lab sessions on (Mobile) Trusted Computing and Smartphone Security. Preparation and supervision of two Android security labs and one Cloud security lab session. Supervision of several students for a mobile security seminar.

Supervised Students and Trainees

- 2016, Oct–Dec **Fuzzer Framework for Android's Middleware**, *Ulrich Steiger*, B.Sc..
- 2016, Nov – 2017, Feb **Android Middleware Instrumentation for Fuzzing Support**, *Fabian Schwarz*, Research Immersion Lab.

- 2016, Nov – **Requirements Analysis and Design for 3rd Party Library Auto-Updates on Android**,
2017, Feb *Jonas Bushart*, Research Immersion Lab.
- 2016, **A Comprehensive analysis on the misuse of security relevant APIs in Android**
Feb–Aug **applications and a study of security-awareness among Android developers**, *Madhu Priya Murugan*, M.Sc., co-supervised by Prof. Michael Backes.
- 2016, **Full Reference Monitoring for Intents on Android**, *Nils Lipp*, B.Sc., co-supervised by
May–Jan Prof. Michael Backes.
- 2013, Jul–Oct **A Developer-Centric Approach to a Dynamic Android Permission System**, *Oliver Schranz*, B.Sc., co-supervised by Prof. Michael Backes.
- 2013, Jul–Oct **Building system-centric IPC call-chains for Android**, *Tobias Frey*, B.Sc., co-supervised by Prof. Michael Backes.
- 2012, **Cryptography as a service in a cloud computing environment**, *Hugo A. W. Ideler*,
Feb–Dec M.Sc., co-supervised by Prof. Dr.-Ing. Ahmad-Reza Sadeghi and M.Sc. Stefan Nürnberger.
Results published at 11th International Conference on Applied Cryptography and Network Security (ACNS'13)
- 2011, **AmazonIA: When Elasticity Snaps Back**, *Thomas Pöppelmann*, Trainee, co-supervised
Feb–Aug by M.Sc. Stefan Nürnberger.
Results published at 18th ACM Conference on Computer and Communications Security (CCS'11)

Miscellaneous Work Experiences

- 2006, Jan – **Student Assistant**, *System Security Lab, Horst-Görtz Institute for IT Security*, Ruhr-
2007, Sep University Bochum, Germany.
Network and system administrator in the project European Multilaterally Secure Computing Base (EMSCB).

Honors and Grants

Awards

- 2015, Apr 20 **Best teaching award for Foundations of Cybersecurity (Winter Term 2014/2015) at Computer Science Department of Saarland University**, *Received together with Prof. Michael Backes, Malte Skoruppa, Erik Derr, Milivoj Simeonovski, Stefan Nürnberger, and Praveen Manoharan*, Saarbrücken, Germany.
- 2015, Mar 25 **Saarland award for outstanding university education 2014 (“Landespreis Hochschullehre 2014”) for Proseminar Hacking (Summer Term 2014)**, *Endowed with 25,000 euros. Received together with Prof. Michael Backes, Prof. Christoph Sorge, Stefan Nürnberger, Frederik Möllers, Philip von Styp-Rekowsky*, Saarbrücken, Germany.
- 2014, Oct 20 **Best teaching award for Proseminar Hacking (Summer Term 2014) at Computer Science Department of Saarland University**, *Received together with Prof. Michael Backes, Prof. Christoph Sorge, Stefan Nürnberger, Frederik Möllers, Philip von Styp-Rekowsky*, Saarbrücken, Germany.
- 2012, Nov 29 **4th German IT Security Award**, *Finalist with the project CloudMiner: Automatic Tool for Security and Privacy Analysis of Cloud Infrastructures*, Darmstadt, Germany.
- 2012, Nov 29 **4th German IT Security Award**, *Finalist with the BizzTrust solution*, Darmstadt, Germany.

- 2012, Oct 23 **TeleTrusT Innovation Award 2012**, *Awarded for the development of the BizzTrust solution, in cooperation with Stephan Heuser and Ahmad-Reza Sadeghi of the Cyberphysical and Mobile Systems Security group at the Fraunhofer Institute for Secure Information Technology, Darmstadt, Germany, Brussels, Belgium.*
- 2011, Oct 19–21 **Best Paper at CMS'11**, *Awarded for Twin Clouds: Secure Cloud Computing with Low Latency. Sven Bugiel, Ahmad-Reza Sadeghi, Thomas Schneider, Stefan Nürnberger, Ghent, Belgium.*
- Grants**
- 2013, Aug **22nd USENIX Security Symposium**, *Student Grant.*
- 2010, Oct **ACM CCS'10**, *Student Travel Grant.*
- 2010, Sep **5th European Trusted Infrastructure Summer School (ETISS)**, *Student Bursary.*

List of References

Available upon request.

List of Publications

(List also available at <http://scholar.google.de/citations?user=sPrlusAAAAAJ>)

Books and Book Chapters

A. Bessani, I. M. Abbadi, S. Bugiel, E. Cesena, M. Deng, M. Gröne, N. Marnau, S. Nürnberger, M. Pasin, and N. Schirmer, *European Research Activities in Cloud Computing*, ch. TClouds: Privacy and Resilience for Internet-scale Critical Infrastructures, pp. 151 – 177. Cambridge Scholars Publishing, 2011.

Conferences and Workshops with Proceedings

M. Backes, S. Bugiel, P. von Styp-Rekowsky, and M. Wißfeld, “Seamless in-app ad blocking on stock android,” in *Mobile Security Technologies (MOST) 2017 Workshop*, IEEE, May 2017.

M. Backes, S. Bugiel, O. Schranz, P. von Styp-Rekowsky, and S. Weisgerber, “ARTist: The android runtime instrumentation and security toolkit,” in *2nd IEEE European Symposium on Security and Privacy (EuroS&P'17)*, IEEE, 2017.

M. Backes, S. Bugiel, and E. Derr, “Reliable Third-Party Library Detection in Android and its Security Applications,” in *23rd ACM Conference on Computer and Communications Security (CCS'16)*, ACM, Oct. 2016.

M. Backes, S. Bugiel, E. Derr, P. McDaniel, D. Oceau, and S. Weisgerber, “On Demystifying the Android Application Framework: Re-Visiting Android Permission Specification Analysis,” in *26th USENIX Security Symposium (USENIX Sec'16)*, USENIX Association, Aug. 2016.

M. Backes, S. Bugiel, E. Derr, S. Gerling, and C. Hammer, “R-Droid: Leveraging Android App Analysis with Static Slice Optimization,” in *11th ACM Asia Conference on Computer and Communications Security (ASIACCS '16)*, ACM, May 2016. Invited paper.

Y. Acar, M. Backes, S. Bugiel, S. Fahl, P. McDaniel, and M. Smith, “SoK: Lessons Learned From Android Security Research For Appified Software Platforms,” in *37th IEEE Symposium on Security and Privacy (S&P'16)*, IEEE, May 2016.

- M. Backes, S. Bugiel, C. Hammer, O. Schranz, and P. von Styp-Rekowsky, "Boxify: Full-fledged app sandboxing for stock android," in *24th USENIX Security Symposium (USENIX Sec'15)*, USENIX Association, Aug. 2015.
- M. Backes, S. Bugiel, and S. Gerling, "Scippa: System-centric IPC provenance on Android," in *30th Annual Computer Security Applications Conference (ACSAC'14)*, ACM, Dec. 2014.
- M. Backes, S. Bugiel, S. Gerling, and P. von Styp-Rekowsky, "Android Security Framework: Extensible multi-layered access control on Android," in *30th Annual Computer Security Applications Conference (ACSAC'14)*, ACM, Dec. 2014.
- S. Bugiel, S. Heuser, and A.-R. Sadeghi, "Flexible and fine-grained mandatory access control on Android for diverse security and privacy policies," in *22nd USENIX Security Symposium (USENIX Sec'13)*, USENIX Association, Aug. 2013.
- S. Bleikertz, S. Bugiel, H. Ideler, S. Nürnberger, and A.-R. Sadeghi, "Client-controlled Cryptography-as-a-Service in the Cloud," in *11th International Conference on Applied Cryptography and Network Security (ACNS'13)*, Springer, June 2013.
- S. Bugiel, L. Davi, A. Dmitrienko, T. Fischer, A.-R. Sadeghi, and B. Shastri, "Towards taming privilege-escalation attacks on Android," in *19th Annual Network & Distributed System Security Symposium (NDSS'12)*, The Internet Society, Feb. 2012.
- F. F. Brasser, S. Bugiel, A. Filyanov, A.-R. Sadeghi, and S. Schulz, "Softer smartcards: Usable cryptographic tokens with secure execution," in *Financial Cryptography and Data Security (FC'12)*, LNCS, Springer, Feb. 2012.
- S. Bugiel, T. Pöppelmann, S. Nürnberger, A.-R. Sadeghi, and T. Schneider, "AmazonIA: When elasticity snaps back," in *18th ACM Conference on Computer and Communications Security (CCS'11)*, ACM, Oct. 2011.
- S. Bugiel, L. Davi, and S. Schulz, "Scalable trust establishment with software reputation," in *6th Annual Workshop on Scalable Trusted Computing (STC'11)*, ACM, Oct. 2011.
- S. Bugiel, L. Davi, A. Dmitrienko, S. Heuser, A.-R. Sadeghi, and B. Shastri, "Practical and lightweight domain isolation on Android," in *1st ACM CCS Workshop on Security and Privacy in Mobile Devices (SPSM'11)*, ACM, Oct. 2011.
- S. Bugiel, S. Nürnberger, A.-R. Sadeghi, and T. Schneider, "Twin clouds: Secure cloud computing with low latency," in *Communications and Multimedia Security Conference (CMS'11)*, Springer, Oct. 2011. (Best Paper Award).
- S. Bugiel, A. Dmitrienko, K. Kostianen, A.-R. Sadeghi, and M. Winandy, "TruWalletM: Secure web authentication on mobile platforms," in *2nd Conference on Trusted Systems (INTRUST'10)*, Dec. 2010.
- S. Bugiel and J.-E. Ekberg, "Implementing an application-specific credential platform using late-launched mobile trusted module," in *5th Annual Workshop on Scalable Trusted Computing (STC'10)*, ACM, Oct. 2010.
- J.-E. Ekberg and S. Bugiel, "Trust in a small package: Minimized MRTM software implementation for mobile secure environments," in *4th Annual Workshop on Scalable Trusted Computing (STC'09)*, ACM, Nov. 2009.

Workshops without Proceedings

S. Bugiel, E. Derr, S. Gerling, and C. Hammer, "Advances in Mobile Security," in *8th Future Security 2013. Security Research Conference*, Fraunhofer Verlag, 2013.

S. Bugiel, A.-R. Sadeghi, T. Schneider, and S. Nürnberger, "Twin clouds: An architecture for secure cloud computing (extended abstract)," in *Workshop on Cryptography and Security in Clouds (CSC'11)*, Mar. 2011.

Journal Articles (non peer-reviewed)

S. Nürnberger and S. Bugiel, "Autonome systeme," *Datenschutz und Datensicherheit – DuD*, vol. 40, no. 8, pp. 503–506, 2016.

M. Backes, S. Bugiel, O. Schranz, and P. von Styp-Rekowsky, "Boxify: Bringing full-fledged app sandboxing to stock android," *USENIX ;login.*, vol. 41, pp. 16–21, June 2016.

Posters

M. Backes, S. Bugiel, J. Huang, and O. Schranz, "Poster: The ART of app compartmentalization," in *23rd ACM Conference on Computer and Communications Security (CCS'16)*, ACM, Oct. 2016.

M. Backes, S. Bugiel, E. Derr, S. Gerling, and C. Hammer, "POSTER: R-DROID: In-depth Application Vetting for Android with Path-sensitive Value Analysis," in *36th IEEE Symposium on Security and Privacy (SP '15)*, IEEE, May 2015.

M. Backes and S. Bugiel, "POSTER: Full Support for Reference Monitoring in Android's Application Framework," in *36th IEEE Symposium on Security and Privacy (SP '15)*, IEEE, May 2015.

M. Backes, S. Bugiel, C. Hammer, O. Schranz, and P. von Styp-Rekowsky, "POSTER: Full-fledged App Sandboxing for Stock Android," in *36th IEEE Symposium on Security and Privacy (SP '15)*, IEEE, May 2015.

S. Bugiel, L. Davi, A. Dmitrienko, T. Fischer, A.-R. Sadeghi, and B. Shastri, "Poster: The quest for security against privilege escalation attacks on Android," in *18th ACM Conference on Computer and Communications Security (CCS'11)*, ACM, Oct. 2011.

Technical Reports

M. Backes, S. Bugiel, S. Gerling, and P. von Styp-Rekowsky, "Android security framework: Enabling generic and extensible access control on android," Tech. Rep. A/01/2014, Saarland University, April 2014.

S. Bugiel, S. Heuser, and A.-R. Sadeghi, "Towards a Framework for Android Security Modules: Extending SE Android Type Enforcement to Android Middleware," Tech. Rep. TUD-CS-2012-0231, Center for Advanced Security Research Darmstadt, Nov. 2012.

S. Bugiel, S. Heuser, and A.-R. Sadeghi, "myTunes: Semantically Linked and User-Centric Fine-Grained Privacy Control on Android," Technical Report TUD-CS-2012-0226, Center for Advanced Security Research Darmstadt, Nov. 2012.

S. Bugiel, L. Davi, A. Dmitrienko, T. Fischer, and A.-R. Sadeghi, "XManDroid: A new Android evolution to mitigate privilege escalation attacks," Technical Report TR-2011-04, Technische Universität Darmstadt, Apr. 2011.

List of Talks

Talks at Academic Conferences and Workshops

- 2014, Dec 10 **Android Security Framework: Extensible Multi-Layered Access Control on Android**, *30th Annual Computer Security Applications Conference (ACSAC'14)*, New Orleans, USA.
- 2014, Dec 10 **Scippa: System-Centric IPC Provenance on Android**, *30th Annual Computer Security Applications Conference (ACSAC'14)*, New Orleans, USA.
- 2013, Aug 14 **Flexible and Fine-Grained Mandatory Access Control on Android for Diverse Security and Privacy Policies**, *22nd USENIX Security Symposium (SEC'13)*, Washington, USA.
- 2012, Feb 7 **Towards a Unified Mandatory Access Control on Android**, *19th Annual Network and Distributed System Security Symposium (NDSS'12): Rump Session*, San Diego, USA.
- 2011, Dec 6 **AmazonIA: When Elasticity Snaps Back**, *Dagstuhl Seminar 11492, "Secure Architectures in the Cloud"*, Schloss Dagstuhl, Germany.
- 2011, Oct 19 **AmazonIA: When Elasticity Snaps Back**, *8th ACM Conference on Computer and Communications Security (CCS'11)*, Chicago, USA.
- 2011, Oct 17 **Practical and Lightweight Domain Isolation on Android**, *1st ACM CCS Workshop on Security and Privacy in Smartphones and Mobile Devices (SPSM'11)*, Chicago, USA.
- 2010, Oct 4 **Implementing an Application-Specific Credential Platform Using Late-Launched Mobile Trusted Module**, *Fifth Annual Workshop on Scalable Trusted Computing (STC'10)*, Chicago, USA.

Talks at Non-Academic Venues and Events

- 2017, May 4 **Five Years of Android Security Research – The Good, The Bad, The Ugly**, *RuhrSec'17*, Bochum, Germany.
- 2017, Apr 4 **Keynote "Sichere Autonome Fahrzeuge in der Zukunft – Risiken und Chancen"**, *Fachtagung "Mobilität im Wandel – Praxisbeispiele und neue Impulse zur BMBF Forschungsagenda"*, Berlin, Germany.
- 2017, Mar 24 **Presentation of CISP and Short Lecture on different Research Areas of CISP**, *Visit of Strathmore University, Kenya, to Saarland University, Saarbrücken, Germany.*
- 2016, Sep 27 **Intelligente Umgebungen, selbstfahrende Autos und Smartphones: IT-Sicherheit als interdisziplinäre Herausforderung**, *Faszination Informatik: Ausbildung mit Zukunftsperspektive*, St. Ingbert, Germany.
- 2016, Aug 24 **Datenschutz und IT-Sicherheit: von der Innovationsbremse zum unverzichtbaren Innovationsmotor?**, *Ferienakademie Cusanuswerk: "Alles unter Kontrolle. Datenschutz und Selbstbestimmung in der Digitalen Welt"*, Niederalteich, Germany.
- 2016, Aug 16 **Presentation of CISP and selected research areas at CISP**, *Visit of the Alexander von Humboldt Foundation Study Tour, Saarbrücken, Germany.*
- 2016, Apr 20 **Presentation of CISP and Short Lecture on Smartphone Security**, *Visit of Strathmore University, Kenya, to Saarland University, Saarbrücken, Germany.*
- 2016, Feb 16 **Privatheit in der digitalen Welt**, *eQualification 2016: Statuskonferenz des Bundesministeriums für Bildung und Forschung, Programm "Digitale Medien in der beruflichen Bildung"*, Berlin, Germany.
- 2013, Jul 1 **Mobile Security at the Example of Android – From Malware Evolution to Business Application**, *2. CyberCrime Kongress 2013*, Munich, Germany.

- 2012, Nov 20 **Smart Devices, Apps und Clouds: Ist die IT der Zukunft sicher und smart?**, *IIR Technology – IT-Sicherheit und Datenschutz*, Frankfurt, Germany.
- 2012, Aug 23 **Mobile Security at the example of Android - From malware evolution to business application**, *IT-Leiter-Treff der IHK Darmstadt*, Darmstadt, Germany.
- 2012, May 9 **Subtleties matter: Usage Model of Cloud App Stores**, *CSA SecureCloud 2012*, Frankfurt, Germany.
- 2011, Nov 14 **BizzTrust – Sichere Trennung von Privat und Dienstlich auf dem Business-Handy**, *Software-Cluster-Innovationsbörse*, Darmstadt, Germany.
- Presentations and Demos**
- 2012, May 23 **Presentation of BizzTrust Demo**, *Opening Ceremony of the Intel Collaborative Research Institute for Secure Computing (ICRI-SC) at TU Darmstadt*, Darmstadt, Germany.
- 2012, Mar 6–10 **Presentation of BizzTrust Demo**, *CeBIT*, Hannover, Germany.
- 2011, Mar 1–5 **Presentation of TClouds Project and CASED**, *CeBIT*, Hannover, Germany.
- 2010, Dec 15 **TruWalletM: Secure web authentication on mobile platforms based on trusted execution environments**, *Nokia Research Center Demo Day*, Helsinki, Finland.

Other Media

- 2011, Sep 29 **Praktisch, aber riskant**, *Süddeutsche.de*, Germany.
Interviewee for online news of the nationwide newspaper Süddeutsche about breaking two-factor authentication for mobile banking (mTAN) via malicious smartphone apps. Online available at <http://www.sueddeutsche.de/geld/neues-online-banking-verfahren-praktisch-aber-riskant-1.1152397>
- 2011, Sep 6 **Wie sicher ist das Bezahlen mit dem Handy?**, *Bayrischer Rundfunk, Report München*, Germany.
Interviewee for TV report of the nationwide TV channel BR about breaking two-factor authentication for mobile banking (mTAN) via malicious smartphone apps. Online available at <http://www.br.de/fernsehen/das-erste/sendungen/report-muenchen/dossiers-und-mehr/report-muenchen-smartphones102.html>