

## Christian Sillaber

Postdoctoral researcher IT Security, Privacy and Compliance

University of Innsbruck  
Technikerstrasse 21a  
6020 Innsbruck

**Contact:** [UIBK V-Card](#) [Linkedin](#)

**E-Mail:** [firstname.lastname@uibk.ac.at](mailto:firstname.lastname@uibk.ac.at)

**Phone:** +43 512 507 53296

**Office:** ICT Building 3M11

**PGP Public Key:** [937A E29D 42FB 627E B274 8D6C F3B1 8673  
92A0 9AB3](#)



## Research interests

- Compliance in decentralized virtual currencies, trustless systems and token offerings
- Compliance, governance, privacy and security risk management
- Cyber threat intelligence sharing ecosystems
- Financial instruments built on smart contracts
- [E-commerce compliance](#)
- [aursec - a blockchain-based security layer for software packages](#)

## Publications

Christian Sillaber, Nikolas Huber, Andrea Mussmann, and Ruth Breu. **Post-Merger IT Integration Success and Performance Measurement: A Systematic Literature Study**. In *Digital Disruption 24th Americas Conference on Information Systems, AMCIS 2018, New Orleans, LA, USA, August 16-18 2018*, 2018.

Christian Sillaber, Clemens Sauerwein, Andrea Mussmann, and Ruth Breu. **Towards a Maturity Model for Inter-Organizational Cyber Threat Intelligence Sharing: A Case Study of Stakeholders' Expectations and Willingness to Share**. In *Multikonferenz Wirtschaftsinformatik (MKWI)*, pages 1409-1420, 2018. [ [.pdf](#) ]

Hona Ilvonen, Stefan Thalmann, Markus Manhart, and Christian Sillaber. **Reconciling digital transformation and knowledge protection: a research agenda**. *Knowledge Management Research & Practice*, 16(2):235--244, 2018. [ [DOI](#) | [www](#). ]

Clemens Sauerwein, Christian Sillaber, and Ruth Breu. **Shadow Cyber Threat Intelligence and their Usage in Information Security and Risk Management Processes**. In *Multikonferenz Wirtschaftsinformatik (MKWI)*, pages 1333--1344, 2018. [ [.pdf](#) ]

Clemens Sauerwein, Christian Sillaber, Michael M. Huber, Andrea Mussmann, and Ruth Breu. **The Tweet Advantage: An Empirical Analysis of 0-Day Vulnerability Information Shared on Twitter**. In *33rd IFIP TC 11 International Conference, SEC 2018, Held at the 24th IFIP World Computer Congress, WCC 2018, Proceedings*, pages 201--215, 01 2018.

Paulina Jo Pesch and Christian Sillaber. **Distributed Ledger, Joint Control? – Blockchains and the GDPR's Transparency Requirements**. *Computer Law Review International*, 18(6):166--172, December 2017. [ [http](#) ]

Michael Brunner, Christian Sillaber, and Ruth Breu. **Towards Automation in Information Security Management Systems**. In *2017 IEEE International Conference on Software Quality, Reliability and Security (QRS)*, pages 160--167, July 2017. [ [DOI](#) ]

Christian Sillaber and Bernhard Waltl. **The Life Cycle of Smart Contracts in Blockchain Ecosystems**. *Datenschutz und Datensicherheit - DuD*, 41(8):497--500, Aug 2017. [ [DOI](#) | [.pdf](#) ]

Christian Sillaber. **Socio-Technical-Artifact Driven Security and Risk Analysis**. *Dagstuhl Report on assessing ICT Security Risks in Socio-Technical Systems*, 6(11):81, 2017. [ [DOI](#) | [http](#) ]

Matthias Mitterdorfer, Christian Sillaber, and Lothar Gamper. **Automatisierte Compliance-Checks am Beispiel kommerzieller E-Mail-Newsletter**. In Erich Schweighofer, Franz Kummer, Walter Hötendorfer, and Christoph Sorge, editors, *Internationales Rechtsinformatik Symposium IRIS 2017*, pages 643--651. OCG, 2017.

Clemens Sauerwein, Christian Sillaber, Andrea Mussmann, and Ruth Breu. **Threat Intelligence Sharing Platforms: An Exploratory Study of Software Vendors and Research Perspectives**. In Jan Marco Leimeister and Walter Brenner, editors, *Towards Thought Leadership in Digital Transformation: 13. Internationale Tagung Wirtschaftsinformatik, WI 2017, St.Gallen, Switzerland, February 12-15, 2017.*, 2017. [ [http](#) ]

Ruth Breu, Michael Brunner, and Christian Sillaber. **Sicher aus der Security-Falle**. *Eisenbahn Ingenieur Kompendium*, 2017:304--315, 2017.

Christian Sillaber, Clemens Sauerwein, Andrea Mussmann, and Ruth Breu. **Shadow Threat Intelligence Sources and their impact on Security and Risk Management Processes**. In *Proceedings of the 2016 SIGSEC Workshop on Information Security and Privacy*, WISP '16, 2016. [ [http](#) ]

Stefan Thalmann, Markus Manhart, Ilona Iloven, and Christian Sillaber. **Knowledge Protection for Digital Innovations: Integrating Six Perspectives**. In *Proceedings of the 2016 SIGSEC Workshop on Information Security and Privacy*, WISP '16, 2016. [ [http](#) ]

Christian Sillaber, Clemens Sauerwein, Andrea Mussmann, and Ruth Breu. **Data Quality Challenges and Future Research Directions in Threat Intelligence Sharing Practice**. In *Proceedings of the 2016 ACM on Workshop on Information Sharing and Collaborative Security*, WISCS '16, pages 65--70, New York, NY, USA, 2016. ACM. [ [DOI](#) | [http](#) ]

Christian Sillaber, Alexander Graf, and Ruth Breu. **An information system agnostic environment for reproducible experiments**. In *European Conference on Information Systems*, page Tool paper, 2016.

Ruth Breu, Christian Sillaber, and Michael Brunner. **Security im Produkt-Lifecycle -- Lästige Pflicht oder Chance?** *Informatik-Spektrum*, 39(5):353--361, 2016. [ [DOI](#) | [http](#) ]

Christian Sillaber and Ruth Breu. **Using Business Process Model Awareness to improve Stakeholder Participation in Information Systems Security Risk Management Processes**. In *Smart Enterprise Engineering: 12. Internationale Tagung Wirtschaftsinformatik, WI 2015, Osnabrück, Germany, March 4-6, 2015.*, pages 1177--1190, 2015. [ [.pdf](#) ]

Christian Sillaber and Ruth Breu. **Using Stakeholder Knowledge for Data Quality Assessment in IS Security Risk Management Processes**. In *Proceedings of the 2015 ACM SIGMIS Conference on Computers and People Research*, SIGMIS-CPR '15, pages 153--159, New York, NY, USA, 2015. ACM. [ [DOI](#) | [http](#) ]

Christian Sillaber and Ruth Breu. **Identifying Blind Spots in IS Security Risk Management Processes Using Qualitative Model Analysis**. In Theo Tryfonas and Ioannis Askoxylakis, editors, *Human Aspects of Information Security, Privacy, and Trust*, volume 19 of *Lecture Notes in Computer Science*, pages 252--259. Springer International Publishing, 2015. [ [DOI](#) | [http](#) ]

Christian Sillaber and Ruth Breu. **Quality Matters: Systematizing Quality Deficiencies in the Documentation of Business Security Requirements**. In *Availability, Reliability and Security (ARES), 2014 Ninth International Conference on*, pages 251--258, September 2014. [ [http](#) ]

Christian Sillaber. *Data Mining in OGH Entscheidungen*, chapter 6. innsbruck university press, 2014.

Christian Sillaber, Michael Brunner, and Ruth Breu. **A framework for the management of intra-organizational security process standardization**. In *Proceedings of the 7th International Conference on Interoperability for Enterprise Systems and Applications*, pages 112--125. Wiley, 2014.

Christian Sillaber and Ruth Breu. **Improving Near-Duplicate Detection in Multi-Layered Collaborative Requirements Engineering Discussions Through Discussion Clustering**. In *The 8th International Conference on Knowledge Management in Organizations*, pages 249--261. Springer Netherlands, 2013.

Christian Sillaber and Ruth Breu. **The Impact of Knowledge Sharing Platforms in Distributed Requirements Engineering Scenarios: A Systematic Review**. In *The 8th International Conference on Knowledge Management in Organizations*, pages 579--591. Springer Netherlands, 2013.

Christian Sillaber, Michael Brunner, and Ruth Breu. **Towards an Architecture for Collaborative Cross-Organizational Security Requirements Management**. In *Business Information Systems*, pages 199--210. Springer Berlin Heidelberg, 2013. Ranking: CORE-B.

Christian Sillaber and Ruth Breu. **Managing legal compliance through security requirements across service provider chains: A case study on the German Federal Data Protection Act**. In *Informatik 2012: Proceedings der GI/GMDS-Jahrestagung*, pages 1306--1317. Gesellschaft fuer Informatik (GI), 2012.

Christian Sillaber, Joanna Chimiak-Opoka, and Ruth Breu. **Understanding and Modeling Usage Decline in Social Networking Services**. *7th International Conference on Knowledge Management in Organizations: Service and Cloud Computing*, 7:377--388, 2012.

Christian Sillaber, Joanna Chimiak-Opoka, and Ruth Breu. **Supporting Social Driven Requirements Engineering Processes through Knowledge Sharing Platforms.** In *Software Engineering/781: Control Applications*. ACTA Press, 2012.

## Projects

- [E-Mail Newsletter Compliance Monitoring](#)
- [Mobiles Security-Awareness-Training-Kit für den angewandten Informatikunterricht](#)

---

[csillaber.q-e.at](https://csillaber.q-e.at)