

List of publications authored during the PhD

Enrico Bacis

Articles in Journals

- Enrico Bacis, Sabrina De Capitani di Vimercati, Sara Foresti, Stefano Paraboschi, Marco Rosa, Pierangela Samarati. “Securing Resources in Decentralized Cloud Storage”. *IEEE Transactions on Information Forensics and Security*. 2019.

Papers in Proceedings of International Conferences and Workshops

- Enrico Bacis, Sabrina de Capitani di Vimercati, Sara Foresti, Stefano Paraboschi, Marco Rosa, Pierangela Samarati. “Access Control Management for Secure Cloud Storage”. *12th EAI International Conference on Security and Privacy in Communication Networks (SECURECOMM)*. EAI, 2016.
- Enrico Bacis, Sabrina De Capitani di Vimercati, Sara Foresti, Daniele Guttadoro, Stefano Paraboschi, Marco Rosa, Pierangela Samarati, Alessandro Saullo. “Managing Data Sharing in OpenStack Swift with Over-Encryption”. *3rd Workshop on Information Sharing and Collaborative Security (WISCS)*. ACM, 2016.
- Enrico Bacis, Sabrina de Capitani di Vimercati, Sara Foresti, Stefano Paraboschi, Marco Rosa, Pierangela Samarati. “Mix&Slice: Efficient Access Revocation in the Cloud”. *23rd ACM Conference on Computer and Communications Security (CCS)*. ACM, 2016.
- Enrico Bacis, Sabrina De Capitani di Vimercati, Sara Foresti, Stefano Paraboschi, Marco Rosa, Pierangela Samarati, “Distributed Shuffle Index in the Cloud: Implementation and Evaluation”. *Proceedings of the 4th IEEE International Conference on Cyber Security and Cloud Computing (CSCloud)*. IEEE, 2017.
- Enrico Bacis, Alan Barnett, Andrew Byrne, Sabrina De Capitani di Vimercati, Sara Foresti, Stefano Paraboschi, Marco Rosa, Pierangela Samarati. “Distributed Shuffle Index: Analysis and Implementation in an Industrial Testbed”. *Proceedings of the 5th IEEE Conference on Communications and Network Security (CNS)*. IEEE, 2017.
- Enrico Bacis, Marco Rosa, Ali Sajjad. “EncSwift and Key Management: An Integrated Approach in an Industrial Setting”. *3rd Workshop on Security and Privacy in the Cloud (SPC)*. IEEE, 2017.

- Enrico Bacis, Sabrina de Capitani di Vimercati, Dario Facchinetti, Sara Foresti, Giovanni Livraga, Stefano Paraboschi, Marco Rosa, Pierangela Samarati. “Multi-Provider Secure Processing of Sensors Data”. *Proceedings of the 17th International Conference on Pervasive Computing and Communications (Percom)*. IEEE, 2019.
- Enrico Bacis, Sabrina De Capitani di Vimercati, Sara Foresti, Stefano Paraboschi, Marco Rosa, Pierangela Samarati, “Dynamic Allocation for Resource Protection in Decentralized Cloud Storage”. *Proceedings of the 2019 IEEE Global Communications Conference (GLOBECOM)*. IEEE, 2019.
- Enrico Bacis, Dario Facchinetti, Marco Rosa, Marco Guarnieri, Stefano Paraboschi, “I Told You Tomorrow: Practical Time-Locked Secrets using Smart Contracts”. *Under Review*.

Chapters in Books

- Enrico Bacis, Sabrina De Capitani di Vimercati, Sara Foresti, Stefano Paraboschi, Marco Rosa, Pierangela Samarati. “Protecting resources and regulating access in cloud-based object storage”. *From Database to Cyber Security*. 2018.

Deliverables

- Stefano Paraboschi, Enrico Bacis, Sabrina de Capitani di Vimercati, Sara Foresti, Daniele Guttadoro, Simone Mutti, Marco Rosa, Alessandro Saullo. “Deliverable D2.2: Tools for protecting confidentiality and integrity of data and access”. *EscudoCloud (Horizon 2020)*. 2016.
- Stefano Paraboschi, Christian Cachin, Enrico Bacis, Marco Rosa. “Deliverable D2.3. Report on Data and Access Protection”. *EscudoCloud (Horizon 2020)*. 2016.
- Sara Foresti, Marco Rosa. “Final Tools for the Protection of Integrity and Confidentiality of Data and Access”. *EscudoCloud (Horizon 2020)*. 2017.
- Enrico Bacis, Sabrina De Capitani di Vimercati, Sara Foresti, Stefano Paraboschi, Marco Rosa, Pierangela Samarati. “Deliverable D4.3: Final Versions of Tools for Security With Multiple Providers”. *EscudoCloud (Horizon 2020)*. 2017.

Other Publications

- Enrico Bacis, Simone Mutti, Marco Rosa and Stefano Paraboschi. “Improving Android security by widening the role of Mandatory Access Control”. *Vol. 4 of Tiny Transactions on Computer Science (TinyToCS 2016)*. 2016.

Enrico Bacis