

Sehr geehrte Professorinnen und Professoren,  
sehr geehrte Mitarbeiterinnen und Mitarbeiter,  
sehr geehrte Studierende,

die JP Sichere Softwaresysteme lädt Sie hiermit recht herzlich zum Informatik-Kolloquium mit dem Titel

**Achieving Transparency and Auditability in Identity Management with Distributed Ledgers**

ein. Den Vortrag (auf Deutsch) hält Herr **Dr. Jan Sürmeli** von der Technischen Universität Berlin.

Jan Sürmeli is a postdoctoral research associate at the Institute of Software Engineering and Theoretical Computer Science, Technische Universität Berlin. His current research focuses on identity management, identification systems and distributed ledgers. Former fields of research include formal modeling, analysis and synthesis in the areas of Service-oriented Architectures, Business Process Management and Complex Event Processing. He received his doctoral degree in Computer Science from the Humboldt-Universität zu Berlin in 2015.

Abstract: Nowadays, humans identify themselves to and share differing amounts of their personal data with a variety of recipients such as online shops, service providers, social networks and public authorities. The recipients may keep this data for a negotiated timespan, and may also share some of this data with third parties respecting certain policies. For both sides — sender and recipient — this induces several challenges. For the sender, keeping track of all parties who have access to which data at any point in time is a tedious (and currently impossible) task: On top of keeping track of every transaction of personal data, it requires a precise understanding of all further transactions of their personal data to third parties. Additionally, the sender prefers to only transfer the data which is actually required for the recipient to carry out the offered service. At the same time, the recipient aims at gaining a certain level of trust in the authenticity of the received data, and to comply with legal regulations for gathering, handling and passing on personal data. Our research evolves around a distributed ledger based framework to keep track of all transactions of personal data — while safeguarding the privacy and identity of the involved parties, and introducing an endorsement system to increase trust and legal compliance.

Der Vortrag findet am **Montag, 24.04.2017 um 13:30 Uhr im VG 1C, Seminarraum 2** statt.  
Freundliche Grüße

Daniela Schramm

\*\*\*\*\*

Brandenburgische Technische Universität (BTU) Cottbus-Senftenberg  
Lehrstuhl Software-Systemtechnik, JP Sichere Softwaresysteme  
Sekretariat: Daniela Schramm  
Konrad-Wachsmann-Allee 5  
03046 Cottbus  
Tel.: 0355/69-3881  
Fax: 0355/69-3810

\*\*\*\*\*