

DPM: 17th International Workshop on Data Privacy Management

CBT: 6th International Workshop on Cryptocurrencies and Blockchain Technology

[Tentative Program]

Thursday, 29th September 2022

09:00 – 10:30 (CEST — UTC+02:00)

PARALLEL SESSION #1 (Room 2, CBT-Room)

- **Opening Remarks (DPM & CBT workshop chairs) (10 minutes)**
- **CBT#1 (Remote #1 + Live Q&A)**
 - **Grape: Efficient Hybrid Consensus Protocol Using DAG.** [Yu Song](#) (Shanghai Jiao Tong University), [Guoshun Fan](#), [Yu Long](#), [Zhen Liu](#), [Xian Xu](#) and [Dawu Gu](#).
 - **A Game-Theoretic Analysis of Delegation Incentives in Blockchain Governance.** [Lyudmila Kovalchuk](#), [Mariia Rodinko](#) (V.N. Karazin Kharkiv National University) and [Roman Oliyunkov](#).
 - **Verifiable External Blockchain Calls: Towards Removing Oracle Input Intermediaries.** [Joshua Ellul](#) (University of Malta) and [Gordon Pace](#).
 - **Q&A (live)**

10:30 – 11:00 (CEST — UTC+02:00)

BREAK

11:00 – 13:00 (CEST — UTC+02:00)

INDIVIDUAL SESSIONS #1

- **DPM#1 (Room 4)**
 - **Enhancing Privacy in Federated Learning with Local Differential Privacy for Email Classification.** [Sascha Löbner](#) (Goethe University), [Boris Gogov](#) and [Welderufael Tesfay](#).
 - **Privacy with Good Taste: A Case Study in Quantifying Privacy Risks in Genetic Scores.** [Raúl Pardo](#), [Willard Rafnsson](#) (IT University of Copenhagen), [Gregor Steinhorn](#), [Denis Lavrov](#), [Thomas Lumley](#), [Christian Probst](#), [Ilze Ziedins](#) and [Andrzej Wasowski](#).
 - **An Email a Day Could Give Your Health Data Away.** [Christof Lange](#), [Thomas Chang](#), [Maximilian Fiedler](#) and [Ronald Petrljic](#) (Nuremberg Institute of Technology).
 - **No salvation from trackers: Privacy analysis of religious websites and mobile apps.** [Nayanamana Samarasinghe](#) (Concordia University), [Pranay Kapoor](#), [Mohammad Mannan](#) and [Amr Youssef](#).
- **CBT#2 (Room 2)**
 - **On the Routing Convergence Delay in the Lightning Network.** [Niklas Gögge](#) (Technical University of Berlin), [Elias Rohrer](#) and [Florian Tschorsch](#).
 - **An empirical analysis of running a Bitcoin minimal wallet on an IoT device.** [Mohsen Rahmanikivi](#), [Cristina Pérez-Solà](#) and [Victor Garcia-Font](#) (Universitat Oberta de Catalunya).
 - **The Ticket Price Matters in Sharding Blockchain.** [Geunwoo Kim](#) (University of California, Irvine), [Michael Franz](#) and [Jong Kim](#).

13:00 – 14:00 (CEST — UTC+02:00)

LUNCH BREAK

14:00 – 15:30 (CEST — UTC+02:00)

INDIVIDUAL SESSIONS #2

- **DPM#2 (Room 4)**
 - **A Parallel Privacy-Preserving Shortest Path Protocol from a Path Algebra Problem.** *Mohammad Anagreh (Tartu University) and Peeter Laud (Cybernetica AS).*
 - **Explanation of Black Box AI for GDPR related Privacy using Isabelle.** *Florian Kammüller (Middlesex University London and Technische Universität Berlin).*
 - **Secure Internet Exams Despite Coercion.** *Mohammadamin Rakeei (University of Luxembourg), Rosario Giustolisi and Gabriele Lenzini.*
- **CBT#3 (Room 2)**
 - **LightSwap: An Atomic Swap does not Require Timeouts at Both Blockchains.** *Philipp Hoenisch, Subhra Mazumdar (TU Wien), Sushmita Ruj and Pedro Moreno-Sanchez.*
 - **Impact on Users when Migrating Blockchains Away From ECDSA for Post-Quantum Security.** *Teik Guan Tan (pQCee Pte Ltd) and Jianying Zhou (Singapore University of Technology and Design).*
 - **A Limitlessly Scalable Transaction System.** *Max Mathys, Roland Schmid, Jakub Sliwinski (ETH Zürich) and Roger Wattenhofer.*

15:30 – 16:00 (CEST — UTC+02:00)

BREAK

16:00 – 17:45 (CEST — UTC+02:00)

PARALLEL SESSION #2 (Room 2, CBT-Room)

- **CBT/DPM (Remote #2 + Live Q&A)**
 - **A blockchain-based architecture to manage user privacy preferences on smart shared spaces privately.** *Charles Neu (Newcastle University), Joe Gibson, Roben Lunardi, Natalie Leesakul and Charles Morisset.*
 - **Preserving Buyer-Privacy in Decentralized Supply Chain Marketplaces.** *Varun Madathil (North Carolina State University), Alessandra Scafuro, Kemafor Anyanwu, Sen Qiao, Akash Pateria and Binil Starly.*
 - **Towards Measuring Fairness for Local Differential Privacy.** *Julián Salas (Universitat Oberta de Catalunya), Vicenç Torra and David Megias.*
 - **Privacy-Preserving Link Prediction.** *Didem Demirag (Concordia University), Mina Namazi, Erman Ayday and Jeremy Clark.*
 - **Q&A (live)**

17:45 – FAREWELL (CEST — UTC+02:00) (Room 2, CBT-Room)