Data Privacy Management — DPM 2026

21st International Workshop on Data Privacy Management

Thursday 17

08:00 – 08:45	45 min	Registration
08:45 – 09:00	15 min	Opening Remarks

KEYNOTE 09:00 – 10:00

Joint Keynote

DPM, CBT, CyberICPS, STM, SECAI, TCI

09:00 – 10:00	60 min	Does machine learning compromise the privacy of training data? *Josep Domingo-Ferrer*

COFFEE BREAK 10:00 – 10:30

MORNING SESSION 10:30 – 12:30

Differential Privacy and Privacy-Preserving Learning

Local and central DP mechanisms, private inference, and leakage in federated settings

10:30 – 10:50	20 min	Benchmarking Triangle Counting Algorithms under Local Differential Privacy with PLUTO Long Pham and *Stacey Truex*
10:50 – 11:10	20 min	Differentially Private Community Detection with Privacy Amplification by Shuffling *Xincheng Xu*, M. A. P. Chamikara, Thilina Ranbaduge, Thierry Rakotoarivelo, David Smith and Qing Wang
11:10 – 11:30	20 min	Towards Verifiable Continuous-Valued Local Differential Privacy Using Harmless Opening *Hiroaki Kikuchi* and Takao Murakami
11:30 – 11:50	20 min	Fast Simulation Algorithms for OLH using Binomial Modeling Berkay Kemal Balioglu, *Alireza Khodaie* and M. Emre Gursoy
11:50 – 12:10	20 min	The Privacy Peak: Non-Monotonic Leakage in Federated Learning *Hamza Sajjad*, Xavier Lessage, Gabriele Costa and Philippe Massonet
12:10 – 12:30	20 min	Privacy-Preserving Decision Tree Inference under CKKS: A Precision Impact Analysis *Madické Diadji Mbodj*, Mawloud Omar, Reda Yaich, Anis Bkakria and Siham Bouchelaghem

LUNCH BREAK 12:30 – 13:50

AFTERNOON SESSION 1 13:50 – 15:20

Credentials, Anonymity and Secure Protocols

Verifiable and anonymous credentials, pseudonym unlinkability, and anonymous communication

13:50 – 14:10	20 min	SoK: Data Minimization in Verifiable Credentials *Norbert Henseler*, Robin Doss, Anh Dinh, Marthie Grobler and Tingmin Wu
14:10 – 14:30	20 min	Regulatorily Aligned Consult-Scoped Anonymous Credentials with Accountable Transparency for EHDS-based Health Data Access *Mahdi Akil* and Frank Pallas
14:30 – 14:45	15 min	Designing and Verifying a Post-Quantum Protocol for Privacy Critical Applications using ABE and ProVerif SHORT *Robert-William Evans* and Florian Kammueller
14:45 – 15:00	15 min	Kleptographic SETUP against Pseudonym Unlinkability, or: Check your EDIW Wallet SHORT Przemysław Błaśkiewicz, Przemysław Kubiak, *Mirosław Kutyłowski* and Anna Lauks-Dutka
15:00 – 15:15	15 min	On the Applicability of Traffic-splitting Strategies as a Protection Shield against End-to-end Traffic Correlation Attacks in Tor SHORT *Asya Mitseva*, Bozhan Cai and Andriy Panchenko
15:15 – 15:20	5 min	*Open discussion*

COFFEE BREAK 15:20 – 15:40

AFTERNOON SESSION 2 15:40 – 17:30

Applied and Regulatory Privacy

Privacy in deployed systems, regulatory compliance, and real-world data practices

15:40 – 16:00	20 min	From Static Schedules to Consent-Driven Retention: An Approach to GDPR Storage Limitation Enforcement *Samuel Daniels* and Haralambos Mouratidis
16:00 – 16:20	20 min	A Privacy-Preserving Architecture for Secure Appliance-Level Demand Response in Virtual Power Plants *Joan Ferré-Queralt*, Jordi Castellà-Roca, Alexandre Viejo, Nicolás Orduz Álvarez and Takao Tsuji
16:20 – 16:40	20 min	Hidden Figures: Fingerprinting Mobile Phones through Passive Background App Traffic *Shiva Azizzadeh* and Gunes Acar
16:40 – 17:00	20 min	Reverse Engineering for Privacy-Preserving Validation of GWAS Outcomes Yuzhou Jiang, *Yuqiao Xu* and Erman Ayday
17:00 – 17:20	20 min	On Private Knowledge Retrieval and Private Inference for Secure Multi-Agent Systems *Vicenç Torra* and Maria Bras-Amorós
17:20 – 17:30	10 min	*Farewell & Announcements*

Full papers (20 min., Q&A included) · Short papers (15 min., Q&A included)