

# CBT 2024 - Thursday 19 September 2024

09:15-09:30	<b>CBT 2024 Chairs</b> <b>Welcome &amp; Report</b>
09:30-10:30	<b>Keynote talk: Establishing secure and privacy-preserving blockchain applications through real world cryptography</b> <b>Speaker: Pedro Moreno-Sanchez</b> <b>Session Chair: Cristina Pérez-Solà</b>
10:30-10:45	Coffee/Tea Break
10:45-12:15	<b>Session 1: Layer 2 and Smart Contracts</b> <b>Session Chair: Pedro Moreno-Sanchez</b>
10:45-11:15	Route Discovery in Private Payment Channel Networks <i>Zeta Avarikioti, Mahsa Bastankhah, Mohammad Ali Maddah-Ali, Krzysztof Pietrzak, <a href="#">Jakub Svoboda</a> and Michelle Yeo.</i> [2. Full Paper]
11:15-11:45	A comparative study of Rust smart contract SDKs for Application-Specific Blockchains <i><a href="#">Jan Vanhoof</a> and Tom Van Cutsem.</i> [13. Full Paper]
11:45-12:15	Offchain Runtime Verification (for The Tezos Blockchain) <i><a href="#">Margarita Capretto</a>, <a href="#">Martin Ceresa</a>, Felipe Gorostiaga, Fernando Macías, Paloma Pedregal and Cesar Sanchez.</i> [11. Full Paper]
12:15-13:45	Lunch Break
13:45-15:15	<b>Session 2: Consensus protocols and the cryptocurrency ecosystem</b> <b>Session Chair: Cristina Pérez-Solà</b>
13:45-14:15	Quantifying Liveness and Safety of Avalanche's Snowball <i>Quentin Kniep, Maxime Laval, <a href="#">Jakub Sliwinski</a> and Roger Wattenhofer.</i> [16. Full Paper]
14:15-14:45	We will DAG you <i><a href="#">Ignacio Amores Sesar</a> and Christian Cachin.</i> [6. Full Paper]

14:45-15:15	Assessing the Impact of Sanctions in the Crypto Ecosystem: Effective Measures or Ineffective Deterrents? <i>Francesco Zola, Jon Ander Medina and Raul Orduna.</i> [3. Full Paper]
15:15-15:30	Coffee/Tea Break
15:30-17:00	<b>Session 3: Cryptography for cryptocurrencies</b> <b>Session Chair: Jordi Herrera Joacomartí</b>
15:30-16:00	Practical Implementation of Pairing-Based zkSNARK in Bitcoin Script <i>Federico Barbacovi, Enrique Larraia, Paul Germouty and Wei Zhang.</i> [7. Full Paper]
16:00-16:30	Benchmarking post-quantum cryptography in Ethereum-based blockchains <i>Patxi Juaristi Pagegi, Isaac Agudo, Ruben Rios, Laura Ricci</i> [9. Full Paper]
17:30	<b>Ice Breaker Social Event</b>