Day 1   Schedule   12.09.2024

Time	Duration	Room 1	BIN-0-K.11 12 14		Room 2	BIN-1-D.25	
		Session	**Title**	**Presenter**	**Session**	**Title**	**Presenter**
08:30	01:00	Registration					
09:30	00:15	Welcome	Welcome address from UZH and SJCC	**Prof. Dr Christian Schwarzenegger, Prof. Dr Claudio J. Tessone, Mr Martin Herb, (SJCC)**			
09:45	00:45	Keynote 1	Governing Emergence in Complex Systems: Challenges and Potential of Blockchain in Decentralized Governance	**Prof. Dr Tomaso Aste**, Director UCL Centre for Blockchain Technologies, University College London			
10:30	00:20	Session 1 — Blockchain Applications and Use Cases	Blockchain for Empowering Central Bank Digital Currencies (CBDCs): Examples from Industry	**Dr Makoto Takemiya** Soramitsu / University of Tokyo			
10:50	00:20		Ethereum AI Agent Coordinator: A framework for AI agent activity coordination	**Dr Taehoon Kim,** UZH Blockchain Center / University of Zurich	Session 2 — Blockchain Governance and DAOs	Decision-making in a More-than-Human World	**Lukas Küng,** ZHAW School of Management and Law
11:10	00:20		Carbon-Lock - A Novel Soul-bound Emission Token for Greater Transparency in the GHG Offset Marketplace	**Dave Mckay**, Toronto Metropolitan University		Governance and Maintenance for a DAO with Physical Assets – An Agent-based Model	**Parminder Kaur Makode**, UZH Blockchain Center / University of Zurich
11:30	00:20		Integration of Business Process Management (BPM) within Blockchain-Based Pension Systems: An Overview	**Bálint Molnár,** ABRIS Kft.		DAOs of Collective Intelligence? Unraveling Blockchain Governance Complexity in Decentralized Autonomous Organizations	**Dr Mark Christopher Ballandies**, UZH Blockchain Center / University of Zurich
11:50	00:20		Blockchain-Enabled Farm-to-Fork Traceability in Local Food Supply Chains	**Julian Kanjere**, University of Cape Town		A Primer on Governance and Coin Design for Election Campaign Vouchers taken to the Blockchain	**Prof. Dr Uwe Serdült,** University of Zurich
12:10	00:15	Break					
12:25	00:30	Industry Talk 1	Blockchain Payments for Traditional Players	**Dr Maja Schwarz** , NTT Data			
12:55	01:20	Lunch					
14:15	00:30	Invited Talk 1	Securing Biometric Data on Blockchain: Are We Ready?: Privacy-Preserving Storage and Computations on Blockchain	**Prof. Dr Kristijan Lenac,** University of Rijeka			
14:45	00:20	Session 3.1 — Decentralized Finance and Economics	Shared Liquidity with Infinite Scalability: Experimental Token Swaps across ZK Rollups	**Szczepan Gurgul, Faizan Nehal Siddiqui,** University of Zurich	Session 4 — Blockchain Adoption and User Behavior	Roles of regular users on the Ethereum network	**Dr Krongtum Sankaewtong,** Kyoto University
15:05	00:20		Decentralized Exchanges for Near-Money Assets	**Natalia Rostova,** École Polytechnique Fédérale de Lausanne		A configurational approach to understand consumer NFT adoption	**Michael Mertel,** Friedrich-Alexander-Universität Erlangen-Nürnberg
15:25	00:20		Inside Money, Even Further	**Prof. Dr Massimo Morini,** Università della Svizzera italiana		Decentralization in Cryptoeconomic Systems: Exploring Dimensions and Relationships via Fuzzy Cognitive Mapping	**Alican Alaşık,** Istanbul Technical University
15:45	00:30	Coffee Break					
16:15	00:30	Invited Talk 2	CBDC Design Issues and Some Facts: Case of Cambodia	**Prof. Dr Kenichi Ueda** , University of Tokyo			
16:45	00:30	Industry Talk 2	Is blockchain disrupting the financial services industry?	**Dr Nils Bulling**, Avaloq			
17:15	00:20	Session 3.2	Designing a Blockchain-based Data Market and Data Pricing	**Qianyu Liu**, UZH Blockchain Center / University of Zurich			
17:35	00:20		Management of Proof-of-Stake Cryptoeconomics: A General Modelling Framework	**Dr Shengnan Li**, UZH Blockchain Center / University of Zurich			
17:55	00:20		Random directed acyclic graphs with nontrivial path distributions: an application to the Bitcoin transaction network	**Dr Nicolò Vallarano,** UZH Blockchain Center / University of Zurich			
18:15	01:00	Travel					
19:15	00:00	Networking Dinner					

Day 2   Schedule   13.09.2024

Time		Room 1	BIN-1-B.01		Room 2	BIN-0-K.11 12 14	
		Session	**Title**	**Presenter**	**Session**	**Title**	**Presenter**
08:30	01:00	Registration					
09:30	00:45	Keynote 2	Assuring Robustness of Smart Contracts in Solidity	**Prof. Dr Rudrapatna K. Shyamasundar,** JC Bose National Fellow & Distinguished V. Professor, Indian Institute of Technology Bombay			
10:15	00:30	Invited Talk 3	Hardware Acceleration of ZKP Proof Generation	**Prof Dr Junghee Lee,** Korea University			
10:45	00:20	Session 5 (Security and Fraud Detection)	A Systematic Approach to Identify Rug-pull Attacks on Decentralized Exchanges	**Tao Yan,** UZH Blockchain Center / University of Zurich			
11:05	00:20		Denial of Profit Attacks on Validator Rewards	**Prof. Dr Leander Jehl,** University of Stavanger	Session 6 (Cryptocurrency Analysis and Market Behavior)	In-block Nestedness Evolution in the Bitcoin Lightning Network: A Behavior-Based Dynamic Network Generation Model	**Dr Jianhong Lin,** UZH Blockchain Center / University of Zurich
11:25	00:20		An attack simulation on Ethereum	**Benjamin Kraner,** UZH Blockchain Center / University of Zurich		Cryptocurrency's and Stock's Price Pattern Difference: From the Perspective of Classification of Price Time Series	**Yu Zhang,** UZH Blockchain Center / University of Zurich
11:45	00:20		Quantitative Analysis of Cryptocurrency Pump-and-Dump Schemes in Real-Time using Machine Learning	**Kevin Bründler, Manuel Bolz,** UZH Blockchain Center / University of Zurich		Bitcoin Transaction Behavior Modeling Based on Balance Data	
12:05	00:15	Break					
12:20	00:30	Industry Talk 3	TBD	**Gino Wirthensohn,** Laser Digital			
12:50	01:10	Lunch					
14:00	00:30	Invited Talk 4	Exploring Inter Blockchain Communication	**Prof. Dr Kotaro Kataoka,** Indian Institute of Technology Hyderabad			
14:30	00:20	Session 7.1 (Blockchain Technology and Infrastructure)	Smart Sharding for Efficient Transaction Validation in UTXO-based Blockchains	**Dr Hamid Attar,** Nchain	Session 8 (Online Sessions)	Combinatorial Borrowing in Blockchain Liquidity Markets	**Prof. Dr Nicola Dimitri,** University of Siena
14:50	00:20		Analysing the Teranode Experiment	**Prof. Dr Akihiro Fujihara,** Chiba Institute of Technology		Inclusive Payment and Social Coin Solution	**Prof. Dr Claudia J. Barenco Abbas,** University of Brasilia
15:10	00:20		Unraveling the blockchain trilemma: A comparison of layer-1 cryptocurrencies	**Michael Mertel,** Friedrich-Alexander-Universität Erlangen-Nürnberg			
15:30	00:30	Industry Talk 4	Navigating Smart Contracts and DeFi: The Role of AI in Blockchain Investigations	**Christian Nunez,** AnChain.AI			
16:00	00:30	Coffee Break					
16:30	00:30	Invited Talk 5	Foundations of Distributed Blockchain Oracles	**Prof Dr John Augustine,** Indian Institute of Technology Madras			
17:00	00:20	Session 7.2	Monero peer-to-peer network mapping	**Yu Gao,** UZH Blockchain Center / University of Zurich			
17:20	00:20		Distributed Consensus through Network Support	**David Guzman,** Technical University of Munich			
17:40		Closing					