Event Conference Venue
Mon, 24 – Wed, 26 June 2019
Freiruum
Aabachstrasse 16, 6300 Zug

After Event Party: "Cool Kids On The Blockchain"
Mon, 24 June 2019, 19:00 – 23:00

Networking Event
Tue, 25 June 2019, 19:00 – 21:30
Ship cruise on Lake Zug, incl. snacks & drinks
With speakers from IBM, Dfinity, Bitcoin Core, ChainSecurity, Liquidity Network, Bank of England, World Trade Organisation, EU Commission, Stellar, Parity, Binance, and many more, the Conference will once again bring world-wide attention to the Crypto Valley and the Swiss blockchain ecosystem.

With two and a half days of in-depth discussions and exploration of the future blockchain, over 100 speakers will share their insight on three tracks in parallel. The detailed programme will be displayed on the following pages.
<table>
<thead>
<tr>
<th>Time</th>
<th>Stage 2 Event</th>
<th>Stage 3 Event</th>
</tr>
</thead>
<tbody>
<tr>
<td>12:00</td>
<td>HYPERLEDGER FABRIC - DESIGN, ARCHITECTURE &amp; SECURITY Alessandro Sorniotti – IBM (Please bring your own laptop for practical exercise.)</td>
<td>NEO BLOCKCHAIN: CONCEPTS &amp; CODING Guilherme Sperb Machado – AxLabs 2 hour workshop (Please bring your own laptop for practical exercise.)</td>
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<tr>
<td>13:00</td>
<td>HOPR – PRIVACY-PRESERVING MESSAGING PROTOCOL FOR THE WEB 3.0 Sebastian Bürgel – Validity Labs</td>
<td>P2P MICROGRIDS – QUARTIERSTROM Anselma Wörner &amp; Arne Meeuw – ETH Zurich</td>
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<tr>
<td>15:30</td>
<td>SMART CONTRACTS Tim Weingärtner – Lucerne University of Applied Sciences</td>
<td>HOW TO EVALUATE DISTRIBUTED LEDGER TECHNOLOGIES FOR THE ENTERPRISE Jorge Alvarado – Swisscom Blockchain</td>
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<tr>
<td>16:00</td>
<td>HYPERLEDGER FABRIC &amp; IOT USE CASES Jens Jelitto – IBM</td>
<td>POLKADOT CONSENSUS &amp; FINALITY Joe Petrowski – Parity</td>
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<tr>
<td>17:00</td>
<td>HOW TO BUILD AN EFFICIENT, SECURE &amp; DECENTRALIZED VOTING PLATFORM Aleksandr Kopnin – Luxoft</td>
<td>MANAGING THE LIFE CYCLE OF A CAR WITH BLOCKCHAIN TECHNOLOGY Matthias Loepfe – AdNovum</td>
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<tr>
<td>18:00</td>
<td>CLOSING</td>
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<tr>
<td>19:00</td>
<td>AFTER EVENT PARTY Cool Kids On The Blockchain</td>
<td>AFTER EVENT PARTY Cool Kids On The Blockchain</td>
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TUESDAY
25th June 2019

MAIN STAGE

REGISTRATION OPENS

07:30

WELCOME
Conference Moderator: Elliott Gotkine
Daniel Haudenschild – Crypto Valley Association
Rene Huesler – Lucerne University of Applied Sciences
Paolo Tasca – UCL CBT
Cho Eun-Hee – South Korean Government

08:30

BLOCK 1
Use Cases
Ulrich Schimpel – IBM
Lili Zhao – NEO

09:00

ECONOMICS & FINANCE PANEL
Moderator: Harald Stieber – EU Commission
Michael Kumhof – Bank of England
Thomas Moser – Swiss National Bank
Antoine Martin – Federal Reserve Bank of New York
Domenico Gammaldi – Bank of Italy

10:00

COFFEE BREAK

10:30

BLOCK 2
Use Cases
Hubert Ritzdorf – ChainSecurity

11:00

BLOCK 3
Identity Management
Vasily Suvorov – Luxoft
Christian Cachin – University of Bern

11:30

COFFEE BREAK

12:00

LUNCH BREAK

13:30

BLOCK 4
Scalability & Consensus
Arthur Gervais – Liquidity Network
Peter Todd – Bitcoin Core Developer
Marko Vukolic – IBM

14:30

ECONOMICS & FINANCE PANEL
Moderator: Pinar Emirdag – State Street
Alexander Lipton – EPFL
Tomaso Aste – UCL Centre for Blockchain Technologies
Jon Danilesson – London School of Economics
Gilbert Verdian – Quant Network

15:30

16:00

BLOCK 3
Identity Management
Jan Camenisch – Dfinity

16:30

18:00

CLOSING

18:30

NETWORKING EVENT
Ship Cruise on Lake Zug, Incl. Snacks & Drinks
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<tr>
<td>09:00</td>
<td><strong>STABLE TOKENS AND DISTRIBUTED FINANCIAL MARKETS INFRASTRUCTURE</strong></td>
<td><strong>COFFEE BREAK</strong></td>
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<tr>
<td></td>
<td>Alexander Lipton – EPFL</td>
<td><strong>REVELIO: A MIMBLEWIMBLE-GRIN PROOF OF RESERVES PROTOCOL</strong></td>
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<tr>
<td></td>
<td><strong>THE ECONOMIC FUNCTIONING OF CRYPTOCURRENCIES: FROM INCENTIVES TO ANALYTICS</strong></td>
<td>A. Dutta &amp; S. Vijayakumaran</td>
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<td></td>
<td>Claudio J. Tessone – University of Zurich</td>
<td><strong>SATOS: STORAGE AGNOSTIC TOKENS OVER OPAQUE AND SUBSTRUCTURAL TYPES</strong></td>
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<td></td>
<td><strong>TOKENIZATION, SECURITIZATION X.O</strong></td>
<td>M. Knecht &amp; B. Stiller</td>
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<td></td>
<td>Ralf Wandmacher / Discussant: Alfonso Delgado de Molina</td>
<td><strong>BITVIS: AN INTERACTIVE VISUALIZATION SYSTEM FOR BITCOIN ACCOUNTS ANALYSIS</strong></td>
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<td></td>
<td><strong>A MODEL FOR STABLECOIN CRYPTOCURRENCY MARKETS</strong></td>
<td>Y. Sun, H. Xiong, S. Yiu, L. Kwok Yan</td>
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<tr>
<td>09:30</td>
<td><strong>COFFEE BREAK</strong></td>
<td><strong>LUNCH BREAK</strong></td>
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<tr>
<td>10:00</td>
<td><strong>THE MACROECONOMICS AND DESIGN PRINCIPLES OF CENTRAL BANK DIGITAL CURRENCIES</strong></td>
<td><strong>COFFEE BREAK</strong></td>
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<td></td>
<td>Michael Kumhof – Bank of England</td>
<td><strong>ALBATROSS – AN OPTIMISTIC CONSENSUS ALGORITHM</strong></td>
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<td>Peter Zimmerman / Discussant: Christoph Aymannans</td>
<td><strong>REFINEMENT AND VERIFICATION OF CBC CASPER</strong></td>
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<td><strong>BITCOIN MICROSTRUCTURE AND THE KIMCHI PREMIUM</strong></td>
<td>R. Nakamura, T. Jimba &amp; D. Harz</td>
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<td>Alfred Lehar / Discussant: Jiahua Xu</td>
<td><strong>ANTI-WITHHOLDING REWARD SYSTEM TO SECURE BLOCKCHAIN MINING POOLS</strong></td>
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<td><strong>CRYPTO PUBLIC CHOICE</strong></td>
<td>A. Sarker, S. Wuthier &amp; S. Chang</td>
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<td>11:30</td>
<td><strong>LUNCH BREAK</strong></td>
<td><strong>MONETARY STABILIZATION IN CRYPTOCURRENCIES – DESIGN APPROACHES AND OPEN QUESTIONS</strong></td>
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<td>Christoph Aymanns / Discussant: Karsten Bocks</td>
<td><strong>COFFEE BREAK</strong></td>
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<td><strong>A THEORY ON PRE-ICO VENTURE CAPITAL INVOLVEMENT</strong></td>
<td><strong>APPLYING PRIVATE INFORMATION RETRIEVAL TO LIGHTWEIGHT BITCOIN CLIENTS</strong></td>
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<td><strong>ON-CHAIN FINANCIAL OPTIONS FOR DIGITAL ASSETS</strong></td>
<td><strong>FASTPROXY: HARDWARE AND SOFTWARE ACCELERATION OF STRATUM MINING PROXY</strong></td>
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<td><strong>ARE CRYPTOCURRENCIES USEFUL AND WHAT DOES THAT MEAN CENTRAL BANK DIGITAL CURRENCIES?</strong></td>
<td><strong>WHISPERING BOTNET COMMAND &amp; CONTROL INSTRUCTIONS</strong></td>
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<td>Antoine Martin – Federal Reserve Bank of New York</td>
<td>M. Baden, C. Torres, B. Pontiveros &amp; R. State</td>
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<td><strong>SWISS IEEE WORKING GROUP ON BLOCKCHAIN &amp; DECENTRALIZED SYSTEMS</strong></td>
<td><strong>A BLOCKCHAIN PROXY FOR LIGHTWEIGHT IOT DEVICES</strong></td>
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<td>G. Dittmann &amp; J. Jelitto</td>
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<td>15:00</td>
<td><strong>APPLICATIONS OF BLOCKCHAIN TECHNOLOGY</strong></td>
<td><strong>SWISS IEEE WORKING GROUP ON BLOCKCHAIN &amp; DECENTRALIZED SYSTEMS</strong></td>
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<td>Mark Greenslade</td>
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<td><strong>NETWORKING EVENT</strong></td>
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**TUESDAY**

25th June 2019
REGISTRATION OPENS
07:30
WHAT ROLE FOR GLOBAL GOVERNMENTAL ORGANISATIONS IN PROMOTING BLOCKCHAIN TECHNOLOGY AND APPLICATIONS?
Emmanuelle Ganne – World Trade Organization

REGULATORY PANEL: WHAT KIND OF BLOCKCHAIN-RELATED GOVERNMENTAL & REGULATORY CHALLENGES DO WE FACE? HOW DO WE ADDRESS THEM?
Moderator: Florian Ducommun – HDC Legal
Martin Hess – Wenger & Vieli
Luka Müller – MME
Guenther Dobrauz – PwC
Eric Stupp – Bär & Karrer AG
Michael Manz – Swiss Federal Department of Finance
08:30
10:00
COFFEE BREAK

REGULATORY PANEL: WHAT ARE THE COMPLIANCE CHALLENGES RAISED BY CRYPTO? WHAT ARE THE DEVELOPMENTS & THE EMERGING SOLUTIONS?
Moderator: Mattia Rattaggi – SEBA Crypto AG
Markus Beck – Bank Frick
Adrian Schatzmann – Swiss Bankers Association
Valentina Monga – Bank Zarattini
Delphine Forma – Lykke
Ekaterina Anthony – GWP
Magdalena Boškić – Cryptobroker AG
09:00
11:30

BLOCK 5
Crypto Assets
Marleen Evertsz – Nxchange
Niklas Nikolajsen – Bitcoin Suisse
Ali Mizani Oskui – FiCAS
10:30
12:00
LUNCH BREAK

BLOCK 6
IoT & Shared Data
Angel Versetti – Ambrosus
Heather Flannery – ConsenSys
13:30
15:30
COFFEE BREAK

BLOCK 7
Interoperability
Robert Habermeyer – Polkadot
Marley Gray – Microsoft
14:30
16:00

BLOCK 8
Cross-Border Payments
Wietse Wind – XRPL Labs
Teck Chia – Binance
Lisa C. Nestor – Stellar Development Foundation
15:30
17:30
CLOSING WORDS
18:00
NETWORKING, SNACKS & DRINKS
19:00
CLOSING OF EVENT
SPEAKERS' TOPIC TITLE

25.6.2019 – DAY II

USE CASES

09:00 – 09:30  Ulrich Schimpel: Blockchain(s) for Industries
09:30 – 10:00  Lili Zhao: Token Economy Beyond Ecosystem
11:00 – 11:30  Sergey Udovenko: SIX Digital Exchange Using Permissioned DLT

SMART CONTRACT SECURITY

11:30 – 12:00  Hubert Ritzdorf: Let Computers Audit Your Smart Contracts
14:00 – 14:30  Christian Cachin: Asymmetric Distributed Trust

IDENTITY MANAGEMENT

14:30 – 15:00  Vasily Suvorov: Verifiable Credentials, Self Sovereign Identity and DLTs – Where Are We Now?
15:00 – 15:30  Oliver Terbu: Next Evolution of uPort
16:00 – 16:30  Jan Camenisch: The Internet Computer: Privacy Preserving Identities for the New Internet

SCALABILITY & CONSENSUS

16:30 – 17:00  Arthur Gervais: TEX: Securely Scalable Off-Chain Exchange Engine
17:00 – 17:30  Peter Todd: Scalable Semi-Trustless Asset Transfer via Single-Use-Seals and Proof-of-Publication
17:30 – 18:00  Marko Vukolic: Mir: Scalable High Throughput BTF for Blockchains Crypto Assets Are the New Black
26.6.2019 – DAY III

CRYPTO ASSETS

08:30 – 09:00
Roger Darin: Crypto Assets Are the New Black

10:30 – 11:00
Marleen Evertsz: The Next Generation Capital Markets (Bridging the ‘Old’ and ‘New’ World)

11:00 – 11:15
Niklas Nikolajsen: What’s Next: Insights from Niklas Nikolajsen

11:15 – 11:30

IOT & SHARED DATA

13:30 – 14:00
Angel Versetti: CHIPLESS: Crypto-Powered RFID Tags as Digital Assets

14:00 – 14:30

INTEROPERABILITY

14:30 – 15:00
Robert Habermeier: Parachains in Polkadot: Architecture and Availability

15:00 – 15:30
Marley Gray: Principal PM Architect Azure Global

CROSS-BORDER PAYMENTS

16:00 – 16:30
Wietse Wind: Developing Software the XRP Ledger & Interledger

16:30 – 17:00
Teck Chia: Evolving the Crypto Ecosystem Towards Mass Adoption

17:00 – 17:30
Lisa C. Nestor: The Future of Money
SITE PLAN

- Entrance
- Registration
- Main Stage
- Exhibition Hall / Food Area
- WC
- WC
- Media Corner