CONFFERENCE
WEDNESDAY JUNE 20TH

PRE-EVENT
LUCERNE UNIVERSITY OF
APPLIED SCIENCES AND ARTS
SUURSTOFFI 12, 6343 ROTKREUZ

INTRO COURSES
REGISTRATION AND RECEPTION
16:00
TUTORIAL 1
BLOCKCHAIN 101
Dr. Sebastian Bürgel - Validity Labs
16:30
TUTORIAL 2
SMART CONTRACTS
Dr. Hubert Ritzdorf - Chainsecurity
17:10
TUTORIAL 3
BLOCKCHAIN USE CASES
Ashley Lannquist - Blockchain @ Berkeley
17:50
TALENT MEETS BUSINESS
IN THE CRYPTO VALLEY, ZUG
19:00

DEEP DIVE
REGISTRATION AND RECEPTION
WORKSHOP 1
ZERO KNOWLEDGE PROOF
Prof. Dr. Alessandro Chiesa - UC Berkeley
16:30
WORKSHOP 2
PAYMENT CHANNELS & SCALABILITY
Dr. Arthur Gervais - Imperial College
17:10
WORKSHOP 3
BLOCKCHAIN IN THE ENERGY SECTOR
Gianluca Corbellini - HIVE Power
17:50
TALENT MEETS BUSINESS
IN THE CRYPTO VALLEY, ZUG
19:00
CONFERENCE
THURSDAY JUNE 21ST

BUSINESS TRACK
AUDITORIUM
REGISTRATION AND RECEPTION
07:30
OPENING CEREMONY
08:30
Elliott Gotkine - Conference Moderator
Oliver Bussmann - President Crypto Valley Association
Johann Schneider-Ammann - Swiss Federal Councillor
Dr. Matthias Michel - Dept. of Economic Affairs Zug
Dolfi Möller - City Mayor of Zug

KEYNOTE
09:00
Stefan Thomas - CTO Ripple

BREAK
09:45

ACADEmia TRACK
HALL
OPENING
10:15
Dr. Maria-Alexandra Paun, Chair IEEE Switzerland

BURNING ZEROCONS FOR FUN AND FOR PROFIT: A CRYPTOGRAPHIC DENIAL-OF-SPENDING ATTACK ON THE ZEROCON PROTOCOL
10:30
Tim Ruffing, Sri Aravinda Krishna Thyagarajan, Viktoria Ronga, Dominique Schröder

BLOCKCHAIN BASED PROTOCOL FOR ECONOMICAL COMMUNICATION IN INDUSTRY 4.0
10:45
Aleksandr Kapitonov, Ivan Berman, Sergey Lunshakov, Aleksandr Krupenkin

DEVELOPING A SMART CONTAINER FOR A BLOCKCHAIN-BASED SUPPLY CHAIN APPLICATION
11:00
Johannes Hinckeldyn, Jochen Kreutzfeldt

TOWARDS MORE RELIABLE BITCOIN TIMESTAMPS
11:15
Paweł Szafkowski (SUTD)

AN ANALYSIS OF NON-STANDARD BITCOIN TRANSACTIONS
11:30
Stefano Bistarelli, Ivan Mercanti, Francesco Santini

INPUTS REDUCTION FOR MORE SPACE IN BITCOIN BLOCKS
11:45
Michal Zima

LUNCH
12:00

REVOBING RECORDS IN AN IMMUTABLE LEDGER
13:30
Konstantinos Karasavvas

PERFORMANCE CHARACTERIZATION OF HYPERLEDGER FABRIC
14:00
Arati Baliga, Nitesh Solanki, Shubham Verekar, Pandurang Kamat, Siddhartha Chatterjee

A SCALE-OUT BLOCKCHAIN FOR VALUE TRANSFER WITH SPONTANEOUS SHARING
14:30
Zhijie Ren, Kelong Cong, Toico V. Aerts, Bart, A, P de Jonge, Alejandro F. Morales, Zekeriya Erkin

EDM0: IOT DATA MARKETPLACE ON BLOCKCHAIN
15:00
Kazem R Rafat Ceylan, Mehmet Dogan, Arda Yurdakul

SELECTIVE BLOCKCHAIN TRANSACTION PRUNING AND STATE DERIVABILITY
15:30
Emanuel Palm, Olov Scheiden, Ulf Bodin

DATA MINING FOR DETECTING BITCOIN PONZI SCHEMES
16:00
Massimo Bartoletti, Barbara Pes, Sergio Serusi

STAKE-BLEEDING ATTACKS ON PROOF-OF-STATE BLOCKCHAINS
16:30
Peter Gadi, Angelos Klayas, Alexander Russell

TRANSACTION PROPAGATION ON PERMISSIONLESS BLOCKCHAINS: INCENTIVES AND ROUTING MECHANISMS
17:00
Oguzhan Ersoy, Zhijie Ren, Zekeriya Erkin, Reginald L. Legandjik

DO YOU NEED BLOCKCHAIN?
17:30
Karl Wüst, Dr. Arthur Gervais

SMART CONTRACTS USING BLOCKLY
18:00
Tim Weingartner, Jasmin Ettlin, Rahul Rao, Patrick Suter, Philipp Dubiarczuk

CONFERENCE DINNER
19:00

SPEAKERS SPONSORS

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## Conference Schedule

### Friday, June 22nd

<table>
<thead>
<tr>
<th>Time</th>
<th>Event</th>
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<tr>
<td>07:30</td>
<td>Registration and Reception</td>
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<tr>
<td>08:30</td>
<td>Keynote: Prof. Dr. Emin Gün Sirer - Cornell University</td>
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<tr>
<td>09:15</td>
<td>Regular Speaker: Niklas Nikolajsen - Bitcoin Suisse AG</td>
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<td>09:30</td>
<td>Break</td>
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<tr>
<td>10:00</td>
<td>Panel Discussion: Blockchain Beyond the Hype</td>
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<td>Nicolas Brand - Lakestar</td>
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<td>Vitomir Jevremovic - VR Ali Art</td>
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<td>Niklas Nikolajsen - Bitcoin Suisse AG</td>
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<td>Joel Reyment - CEO Emotiq</td>
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<td>Gareth Grobler - Merklecon</td>
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<td>Patrick Nicolet - CTO Capp Gemini</td>
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<td>Moderator: Elliott Gottke</td>
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<td>10:30</td>
<td>Block 3: Smart Contract Security</td>
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<td>Lei Luu - CEO Kyber Network</td>
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<td>Reto Trinkler - Chairman Melonport</td>
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<td>Prof. Dr. William Buchanan - Nagpier University</td>
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<td>12:00</td>
<td>Lunch</td>
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<td>13:30</td>
<td>Block 4: Identity Management</td>
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<td>Daniel Gasteiger - CEO Pravcis</td>
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<td>Vasiliy Suvorov - CTO Luxoft</td>
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<td>Jason Law - CTO Ethernym</td>
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<td>15:00</td>
<td>Break</td>
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<td>15:30</td>
<td>Block 5: Scalability &amp; Micropayments</td>
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<td>Dr. Arthur Gervais - CEO Liquidity</td>
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<td>Dr. Christian Cachin - BM Research</td>
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<td>Abdul Rassweh - Microsoft</td>
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<td>Yanivlev Malakhov - Founder AfterPay</td>
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<td>17:35</td>
<td>Pitch Top 2 Startups from Blockchain Challenge</td>
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<td>17:50</td>
<td>Closing of Conference</td>
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<td>18:00</td>
<td>Networking &amp; Drinks</td>
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### CASINO ZUG

- **09:45**: Opening by Maxim Tsaryk, CEO ASK.fm
- **10:00**: Intraday Yield Curves for High-Frequency Trading and Settlement by Anton Golub, Léon Grossmaier, Ser-Huang Poon
- **10:40**: Cryptomarket Discounts by Nicola Borri, Kirill Shakhnov
- **11:20**: How Investible is Bitcoin? by Sean Foley, Anne Haubo Dyhrberg
- **12:00**: Lunch
- **13:05**: Market Microstructure and Order Book Dynamics in Cryptocurrency Exchanges by Mate Puljiz, Stjepan Begusic, Zvonko Kostanjcar
- **13:45**: Price Efficiency in Blockchain-Based Markets by Nikolaus Hautech, Christoph Scheuch, Stefan Voigt
- **14:35**: Initial Coin Offering and Platform Building by Jiasan Li, William Mann
- **15:15**: An Equilibrium Model of the Market for Bitcoin Mining by Julien Prat, Benjamin Walter
- **15:55**: A Market-Based Approach to Central Bank Digital Currencies by Tarik Roukny, Christoph Aymanns
- **16:30**: Closing Academia Track
- **18:00**: Networking & Drinks

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