

PROGRAMME
24 – 26 JUNE 2019

2019
**CRYPTO
VALLEY**
CONFERENCE
ON BLOCKCHAIN
TECHNOLOGY



Lucerne University of
Applied Sciences and Arts

**HOCHSCHULE
LUZERN**

Informatik
FH Zentralschweiz





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INTRODUCING



The creation of Crypto Valley was inspired by the enormous advantages of global industry clusters – a friendly regulatory environment, network effects, economies of scale, attracting the world's best talent, building deep pools of capital and a rich ecosystem of resources and know-how for startup companies, nurturing an entrepreneurial culture, infectious energy, and strong trust relationships that make the impossible possible.

Through the broad support of numerous individuals, startups, corporates, service providers, industry associations, educational institutions, governments, and regulators – especially the early pioneers Monetas, Ethereum, Bitcoin Suisse, MME Legal, the Digital Finance Compliance Association, the Bitcoin Association of Switzerland, Lucerne University of Applied Sciences and Arts, the canton and city of Zug, the Greater Zürich Area, Switzerland Global Enterprise, the Swiss Financial Market Supervisory Authority (Finma), and the Swiss Federal Government – Crypto Valley has grown into one of the world's leading ecosystems for crypto, blockchain, and distributed ledger technologies, with dozens of companies in this space now calling Crypto Valley home and thriving in its vibrant community.

In January 2017 the Crypto Valley Association was established as a professional organization to coordinate, accelerate, and scale the further development of Crypto Valley into the world's best ecosystem for crypto technologies and businesses. The founding members included Bitcoin Suisse, Bussmann Advisory, iprotus, Lucerne University of Applied Sciences and Arts, Luxoft, Monetas, and Thomson Reuters.



INTRODUCING

Lucerne University of
Applied Sciences and Arts

HOCHSCHULE LUZERN

Informatik

FH Zentralschweiz

The most comprehensive range of IT study programmes taught at one central location

The Lucerne University of Applied Sciences and Arts is the first Swiss university of applied sciences to have its own School of Information Technology. Almost 700 students are enrolled in one of the five bachelor's degree programmes and the three master's degree programmes at the Zug-Rotkreuz campus. The School of Information Technology is focusing its research on new areas of interest, ranging from artificial intelligence, machine learning and mobile and smart systems all the way to blockchain, smart contracts and visual computing. Numerous partners from the public and private sector benefit from the project skills and professional expertise of the researchers.

Continuing and executive education programmes include the Master of Advanced Studies and Certificate of Advanced Studies in four attractive specialist areas. Courses, seminars and conferences lasting one day or more are also available. The Lucerne School of Information Technology also has outstanding links to domestic and foreign universities as well as to partners from all areas of economic, administrative, cultural and social life. Thanks to its range of programmes, the School of Information Technology offers added value for business, society and culture.

PLATINUM SPONSORS



To see widespread adoption, blockchains need to support thousands of transactions per second, scale towards millions of users, offer negligible transaction fees and confirm within a second. Liquidity Network tackles Blockchain scalability by enabling secure, instant, trustless and fast transactions with zero blockchain fee. The secret sauce is the design of efficient payment commit-chains. The blockchain is only used as a recourse in case of disputes. Most transactions are performed off-chain and are therefore cheaper and the settlement is much faster. We believe in a more open financial system where intermediaries such as exchanges, wallets, and banks are non-custodial. Therefore, we are putting back control into users hands.



PLATINUM SPONSORS

inacta

• managing your information

inacta is an independent Swiss IT consulting firm based in Zug. Almost 70 experienced digitisation experts support organisations from the insurance, banking, real estate and healthcare sectors.

For almost two years now, the experts of inacta have been supporting start-ups and established companies with consulting, training and software development services.

As an early adopter, inacta understands not only the technology but also how and where Blockchain is usefully used. inacta is a founding member of the Crypto Valley Association and makes a social contribution to Switzerland as a business location.

PLATINUM SPONSORS



Canada is open for business and welcomes foreign investment.

Canada is recognized for science, technology and innovation strengths, research excellence, and a highly educated and skilled workforce. Preferential access to global markets makes Canada an ideal destination for companies to grow their businesses. Furthermore, Canada has one of the world's soundest banking systems: efficient; open and soundly-regulated capital markets with global-scale pension funds with solid, diversified investment strategies.

Canada's highly competitive Fintech sector is home to leading companies such as Shopify, WealthSimple, Blockstream, MindBridge AI, Zafin and Mogo. A leader in Blockchain, Canada, is an attractive market for crypto and blockchain companies due to its favourable regulatory environment, low energy costs, high speed internet access, as well as innovation projects. Canadian blockchain companies flourish within verticals such as Fintech, Government, Supply Chain, Cryptocurrency Mining, Data and Security.

Want to learn more about Canada and the opportunities to invest in one of the most reputable countries in the world? Invest in Canada, represented by The Canadian Trade Commissioner Service, is available at Crypto Valley Conference's Canada booth to answer all of your questions! We provide confidential, free-of-charge information and services, including: sector-specific market intelligence; contact introduction; and site selection visit arrangement.



PLATINUM SPONSORS



CV VC is a next generation investment company, where cutting-edge blockchain and crypto technology meets traditional venture capital. Based in Zug, the heart of Switzerland's Crypto Valley, the company invests in all stages of crypto and blockchain development, from incubation to growth capital and has its own thriving ecosystem.



PLATINUM SPONSORS



Invest wisely, Step confidently

Bringing sophisticated crypto market advises to our clients. We help them to figure out the best strategy for their crypto asset portfolio while they keep their crypto sovereignty.



PLATINUM SPONSORS

Luxoft

Luxoft (NYSE:LXFT) is a global technology services and consulting partner that provides bespoke technology solutions to customers in 22 countries across five continents. Founded in 2000, Luxoft combines engineering excellence with deep industry expertise to deliver and implement technology solutions that drive business change. Through a combination of strategy, consulting and engineering services, Luxoft's global teams use technology to enable business transformation, enhance customer experiences and boost operational efficiency. With over 280 active clients, Luxoft specializes in automotive, financial services, healthcare, life sciences, telecommunications and other industries. For more information, please visit www.luxoft.com and follow us on Twitter and LinkedIn.

PLATINUM SPONSORS



BLOCKCHAIN PROPULSION

THE ACCELERATOR PROGRAM

in Zug (Crypto Valley) with Propulsion Hubs in Switzerland, Brazil, UAE, India, and China. Established by an international team of experienced blockchain entrepreneurs, BLOCKCHAIN PROPULSION offers a true end-to-end program that enables startups and enterprises to launch successful blockchain-powered businesses and raise capital through STOs, traditional VCs, and private equity placements.

To qualify for the program, projects are required to meet high standards across a variety of criteria, including business idea; high disintermediation; network effects; team and talent; environmental, social and governance (ESG) impact; initial funding; legal and risk assessment. BLOCKCHAIN PROPULSION is backed by Switzerland Global Enterprise, Canton of Zug, Canton of Uri, Greater Zurich Area, swissnex India, and the Crypto Valley Association.

PLATINUM SPONSORS



Bitsonic is the First Cryptocurrency Exchange to share revenue with the BSC holders in South Korea.

Bitsonic is the first cryptocurrency exchange in South Korea to share the trading fee revenue with the BSC token holders.

Bitsonic offers the 90% share of the trading fee revenue to holders of its native token, Bitsonic Coin(BSC). The holders receive the share of the revenue generated in the KRW market in BTC. However, the type of reward coin is subject to change depending on the market conditions.

Investors can stake or un-stake the BSC token. With these options, investors can manually select between rewards and liquidity.

GOLD SPONSORS



WACHSMAN

Wachsman is a global professional services firm for companies building breakthrough technologies, specializing in public relations, crisis communications, strategic advisory services, and events consulting. With offices in New York City, Dublin, and Singapore, Wachsman has represented a global client portfolio of more than 120 of the largest and most indispensable companies in the blockchain ecosystem, including CoinDesk, eToro, tZero, Hedera Hashgraph, Dash, and Galaxy Digital. Beyond its roots in blockchain, Wachsman has partnered with companies and projects in a range of industries, from artificial intelligence and machine learning, to marketing technologies, nonprofits, and sophisticated protocols. Wachsman is devoted to promoting and enhancing the reputations of innovative businesses, while demonstrating the real-world utility of emerging technology.



Sionik

Sionik provides professional communications services to innovative companies in the blockchain, fintech, proptech and legaltech industries. Based in Zug, Switzerland, we have over three years experience in the Crypto Valley ecosystem. We help clients to develop and implement internal and external communications strategies and build strong connections using digital content, public relations and social media strategies that allow them to get "to the point" – always.



GOLD SPONSORS



HQLAX is a financial technology innovation firm that leverages distributed ledger technology to deliver liquidity management and collateral management solutions for institutional clients in the global securities financing markets.

The HQLAX value proposition is to improve collateral mobility across a fragmented securities settlement eco-system.

In the HQLAX operating model, there is no movement of securities between custodians. Instead, a digital collateral registry is used to record ownership transfers of baskets of securities, whilst the underlying securities remain in the custody location of the collateral giver.



Microsoft is the world's leading manufacturer of standard software, services and solutions. We help people and companies from all industries and of all sizes to fully realize their potential. Security, reliability, innovation and integration, as well as openness and interoperability, are the main focus when developing all Microsoft products and business solutions. Though our own platform as well as our ecosystems of partners and start-ups we democratize access to advanced technology ranging from leading business productivity solutions, artificial intelligence, blockchain as well as augmented & virtual reality to quantum computing.



GOLD SPONSORS



Bitcoin Suisse is pioneering crypto-financial services since 2013. The company played a crucial role in the development of the crypto valley and the overall Swiss blockchain ecosystem. The services provided to the global institutional and private client base include Brokerage and Trading, Storage Solutions, Collateralized Lending, Crypto Financial Solutions and other related services such as Staking and Baking.

More than 80 employees in Switzerland and Denmark service private and institutional clients and develop inhouse technology. Bitcoin Suisse is a licensed financial intermediary incorporated in Switzerland, operating under Swiss law and according to AML (Anti-Money-Laundering) regulations.

www.bitcoinsuisse.ch



GOODWIN

At Goodwin, we partner with our clients to practice law with integrity, ingenuity, agility and ambition. Our 1,000-plus lawyers across the United States, Europe and Asia excel at complex transactions, high-stakes litigation and world-class advisory services in the technology, life sciences, real estate, private equity, and financial industries. Our unique combination of deep experience serving both the innovators and investors in a rapidly-changing, technology-driven economy sets us apart.



GOLD SPONSORS



Tech Bureau Europe SA incorporated in Zug in 2017 as a subsidiary of the Japanese headquarter Tech Bureau Holdings, together with the entity in the United States. From crowdfunding to private blockchain we develop, implement and support strategic solutions for companies and projects around the globe. Tech Bureau is involved in the Blockchain industry since 2014 as a fundamental supporter of NEM, and recently launched the early access programme for mijin V.2 (Catapult).



The Kahuna Group, a leading real estate developer/brokerage company, aims to change the way everyone within the rental ecosystem leases, rents and earns using blockchain technology.

Kahuna Score: Like a credit score/report for renters. Portable, algorithmically calculated, based on aggregated data from user-submitted profile information, rental payment/deposit history, and Behavioral Mining© performance.

Behavioral Mining®: In exchange for performing rent-worthy tasks like paying rent on time, tenants will be rewarded with KNA tokens, which they can use to make on-chain rent payments that positively affect their Score.

GOLD SPONSORS



BitFreezer

The BitFreezer company has introduced its first product, a hardware wallet, back in the beginning of 2018 and has sold over 1000 units in 17 countries. After some time and deep insight into the industry allowed the company to come up with a direct substitute to hardware wallets, the BitFreezer app. Now, after a year of growth, the company was accepted to the blockchain CV Labs incubator located in Zug, Switzerland. The 3-month program granted the team with crucial mentorship and validation as a company among blockchain communities.



**Espeo
Blockchain**

Espeo Blockchain is a full-service blockchain lab serving the healthcare and finance industries. Our team of developers and consultants offer pragmatic solutions to companies looking to leverage enterprise blockchains in novel ways – and stay ahead of emerging trends. Deep knowledge of blockchain technology, as well as our extensive experience, set us apart in our niche. Our values of transparency, open communication, and constant improvement build close ties with our partners and align our goals allowing us to build great custom software together. This culture of openness fosters creative thinking that aids us in delivering market-leading products. Our mission is to use our technical expertise and apply it to great ideas that are changing the face of business.

GOLD SPONSORS



Building a decentralized tomorrow

Decentralized technologies such as blockchain constitute the foundations of what we call Web 3. Under this new paradigm social media, commerce and finance will be managed with fewer intermediaries, while respecting our privacy and in a more open fashion.

Validity Labs is the technical partner of choice for a range of startups and large corporates, offering support and know-how in the areas of blockchain-enabled solutions, decentralized applications, tokenization and core infrastructure. We engineer smart contracts as well as novel Web 3 solutions from frontend to backend.



Sygnum is a financial technology company in the regulatory process of obtaining a banking and securities dealer license from the Swiss regulator, FINMA.

Sygnum empowers financial services for the digital asset economy by providing an integrated solution to securely issue, store, trade and manage digital assets. The company was founded by an experienced and interdisciplinary team of banking, investment and technology experts, and is backed by a distinguished group of individuals and institutions.

Sygnum is rooted in two of the world's leading financial hubs – Singapore and Switzerland.

GOLD SPONSORS



For both services and ecosystem development, Xonetix embodies four key aspects that are essential for the broad adoption for Smart Business Blockchain Solutions SBBS:

- _ Stakeholder Centric: the different concerns of dispersed stakeholders, the space between them, their transactions stand center stage
- _ Integration Ready: an SBBS needs to integrate deeply
- _ Business Driven: all stakeholder business missions have to be satisfied
- _ Platform Agnostic: no technology or vendor lock-in

The Xonetix Ecosystem facilitates the entire lifecycle of an SBBS by focussing on aspects like security, UI/UX, technology, and independence from specific business softwares, Blockchain technologies and platforms.

SILVER SPONSORS



The Ambrosus Ecosystem provides an industrial grade blockchain and IoT platform for the digitization of physical processes across the global economy. Built for both enterprises and entrepreneurs, Ambrosus offers cutting edge IoT devices, alongside a robust blockchain-cloud infrastructure designed to holistically secure and manage data collected from the real world.



MYCOLDWALLET

MYCOLDWALLET is the safest and user-friendly online wallet for your mobile and laptop. It provides a solution to the biggest problem of tradition wallets – loss of your private key or smartphone. MYCOLDWALLET offers each user its own protection account using Smart Contracts on Ethereum and you can recover all of your assets!



Dukascopy Bank is an innovative retail-oriented Swiss bank that currently opens 1,000 new current accounts per day using its in-house developed video identification technology and is the first bank in Switzerland to successfully launch its own cryptocurrency – Dukascoin.



IEEE Switzerland section consists of approximately 3'000 members, an IEEE executive committee, 15 chapters, 3 affinity groups (Young Professionals, Women in Engineering and Life Members) and one working group on Blockchain and Decentralized systems. In 2018, we organized 43 technical events, including scientific talks, professional development workshops, competitions and training seminars. The section also provides technical co-sponsorship to conferences.



SILVER SPONSORS



Procivis empowers citizens around the world by providing trusted digital ID solutions. Recent technological developments such as the proliferation of smartphones and mobile internet, aided by blockchain, offer the opportunity to put identity in the digital realm back in the hands of the citizens. Procivis, derived from the Greek word "pro" and the Latin word "civis" captures what the company represents, building technology "for the people".



ConsenSys is a global blockchain technology company building the infrastructure, applications, and practices that enable a decentralized world. Our vision is that blockchain technology allows us to progress to the next generation of the Web that we call the "Web 3.0". Our mission is to enable that progress by building platforms, applications, and tools for Web 3.0, while offering services to ensure they are useful to our customers.



The growth of the demand of energy must be supported by clean and renewable sources such as wind and solar power. Ampere will issue a security token to finance the construction of clean power plants and support research and development on renewable energy. Visit our booth to know more about our solution.



Launched by leading Gold Open Access publisher Frontiers, the pioneering journal Frontiers in Blockchain unites the latest research from both industry and academia within the rapidly expanding blockchain sector. With an editorial board of international experts, and a rigorous peer-review process, Frontiers in Blockchain provides a platform for high-quality, cutting-edge research, facilitating the development of blockchain technology and its applications.



SILVER SPONSORS



CHAINSECURITY

ChainSecurity is a leader in smart contract security. The Swiss-based company is a spin-off from ETH Zurich's ICE center, a top research lab in blockchain security. ChainSecurity uses its own state-of-the-art platform to validate the correctness of smart contracts. The company is behind the popular smart contract scanner Securify and automated functional verifier VerX.



supported by
Canton of Zug



Alephium is a high-throughput public blockchain platform that could scale to ten thousands of transactions per second without sacrificing decentralization and security. The platform is built on its innovative sharding algorithm called BlockFlow. BlockFlow exploits a scalable UTXO model, combining DAG and sharding, to be the first sharding algorithm supporting cross-shard transactions natively. Alephium also designs a practical and scalable solution for decentralized applications.



BRONZE SPONSORS



EVENT VENUE

Event Conference Venue

Mon, 24 – Wed, 26 June 2019

Freiruum

Aabachstrasse 16, 6300 Zug

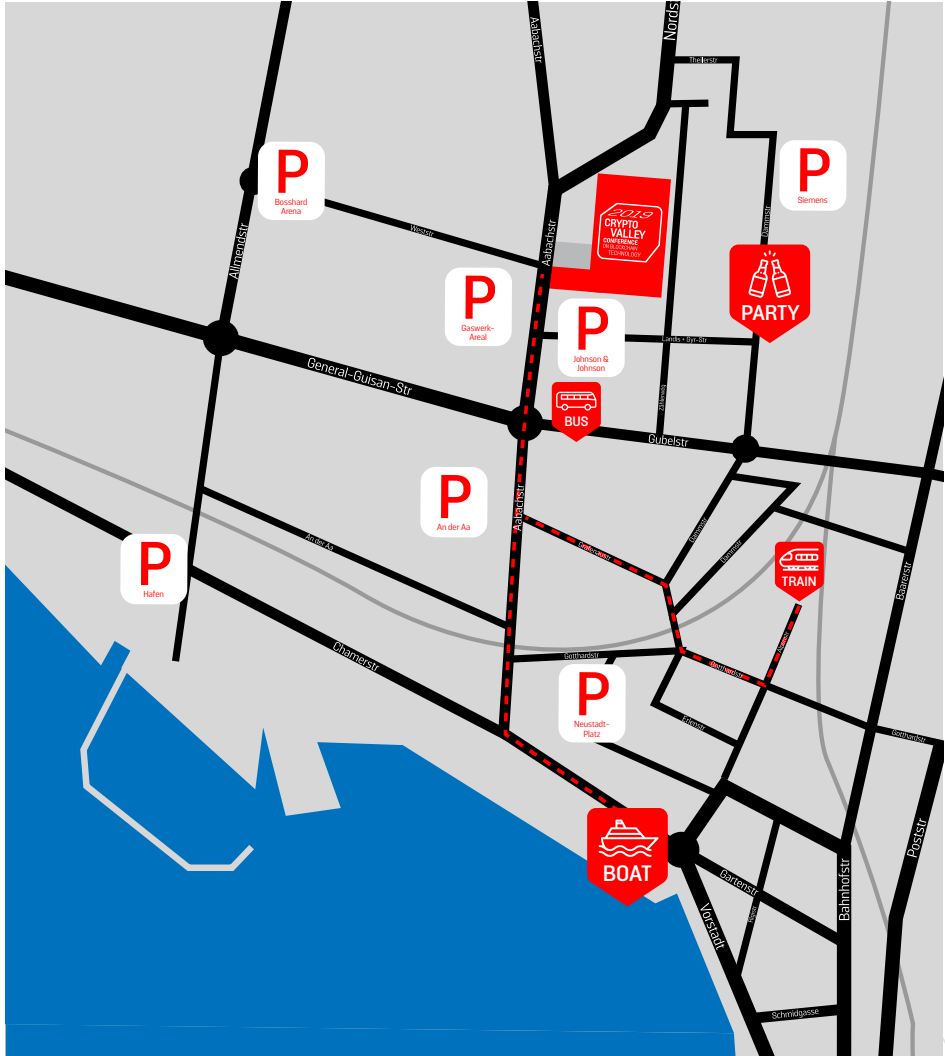
After Event Party: "Cool Kids On The Blockchain"

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





AGENDA 2019

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.

STAGE 2

STAGE 3

REGISTRATION OPENS

12:00

REGISTRATION OPENS

HYPERLEDGER FABRIC - DESIGN, ARCHITECTURE & SECURITY

Alessandro Sorniotti – IBM

2 hour workshop

(Please bring your own laptop for practical exercise.)

13:00

NEO BLOCKCHAIN: CONCEPTS & CODING

Guilherme Sperb Machado – AxLabs

2 hour workshop

(Please bring your own laptop for practical exercise.)

HOPR – PRIVACY-PRESERVING MESSAGING PROTOCOL
FOR THE WEB 3.0

Sebastian Bürgel – Validity Labs

15:00

P2P MICROGRIDS – QUARTIERSTROM

Anselma Wörner & Arne Meeuw – ETH Zurich

SMART CONTRACTS

Tim Weingärtner – Lucerne University of Applied Sciences

15:30

HOW TO EVALUATE DISTRIBUTED LEDGER TECHNOLOGIES FOR
THE ENTERPRISE

Jorge Alvarado – Swisscom Blockchain

FABRIC USE CASES

Elli Androulaki – IBM

16:00

POLKADOT CONSENSUS & FINALITY

Joe Petrowski – Parity

THINK CANADA

Kyle Kemper – Canadian Blockchain Association

16:30

MANAGING THE LIFE CYCLE OF A CAR WITH BLOCKCHAIN
TECHNOLOGY

Matthias Loepfe – AdNovum

HOW TO BUILD AN EFFICIENT, SECURE & DECENTRALIZED
VOTING PLATFORM

Aleksandr Kopnin – Luxoft

17:00

COMPILING SOLIDITY TO WASM USING SOLANG

Sean Young – Monax

PANEL: WHY DO VOTING SYSTEMS NEED BLOCKCHAIN?

Moderator: Rolf Rauschenbach – ProCivis

Ursula Sury – Lucerne University of Applied Sciences

Antony Welfare – Luxoft

Daniel Gasteiger – ProCivis

17:30

PANEL: DIVERSITY IN THE BLOCKCHAIN ECOSYSTEM –
LEARN FROM THE BEST

Moderator: Priska Burkard – TechFace

Kamales Lardi – Women in Blockchain

Tracey Trachsler – Heroes Group

Sebastian Bürgel – Validity Labs

Leoni Runge – Blockfactory

CLOSING

18:00

CLOSING

AFTER EVENT PARTY

Cool Kids On The Blockchain

19:00

AFTER EVENT PARTY

Cool Kids On The Blockchain

MAINSTAGE

REGISTRATION OPENS

07:30

08:30

WELCOME

Conference Moderator: Elliott Gotkine
Daniel Haudenschild – Crypto Valley Association
René Hüsler – Lucerne University of Applied Sciences
Paolo Tasca – UCL CBT
Cho Eun-Hee – South Korea Government

BLOCK 1

Use Cases

Ulrich Schimpel – IBM
Lili Zhao – NEO

09:00

10:00

COFFEE BREAK

ECONOMICS & FINANCE PANEL

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

10:30

11:00

BLOCK 1

Use Cases

Sergey Udovenko – SIX Digital Exchange

BLOCK 2

Smart Contract Security

Hubert Ritzdorf – ChainSecurity

11:30

12:00

LUNCH BREAK

BLOCK 2

Smart Contract Security

Darrell O'Donnell – CULedger
Christian Cachin – University of Bern

13:30

14:30

BLOCK 3

Identity Management

Vasily Suvorov – Luxoft
Olivier Terbu – ConsenSys

COFFEE BREAK

15:30

16:00

BLOCK 3

Identity Management

Jan Camenisch – Dfinity

BLOCK 4

Scalability & Consensus

Arthur Gervais – Liquidity Network
Peter Todd – Bitcoin Core Developer
Marko Vukolic – IBM

16:30

18:00

ECONOMICS & FINANCE PANEL

Moderator: Pinar Emirdag – State Street
Alexander Lipton – EPFL
Tomaso Atse – UCL Centre for Blockchain Technologies
Wietse Wind – XRPL Labs
Jon Danilesson – London School of Economics
Gilbert Verdian – Quant Network

CLOSING

18:30

19:00

NETWORKING EVENT

Ship Cruise on Lake Zug, Incl. Snacks & Drinks

STAGE 2

STABLE TOKENS AND DISTRIBUTED FINANCIAL
MARKETS INFRASTRUCTURE
Alexander Lipton – EPFL

THE ECONOMIC FUNCTIONING OF CRYPTOCURRENCIES:
FROM INCENTIVES TO ANALYTICS
Claudio J. Tessone – University of Zurich

COFFEE BREAK

TOKENIZATION_ SECURITIZATION X.O
Ralf Wandmacher

A MODEL FOR STABLECOIN CRYPTOCURRENCY MARKETS
Ariah Klages-Mundt

LUNCH BREAK

THE MACROECONOMICS AND DESIGN PRINCIPLES OF
CENTRAL BANK DIGITAL CURRENCIES
Michael Kumhof – Bank of England

BLOCKCHAIN STRUCTURE AND CRYPTOCURRENCY
Peter Zimmerman

BITCOIN MICROSTRUCTURE AND THE KIMCHI PREMIUM
Alfred Lehar / Discussant: Jiahua Xu

CRYPTO PUBLIC CHOICE
Jason Potts / Discussant: Giovanna Massarotto

COFFEE BREAK

VERTICALLY DISINTEGRATED PLATFORMS
Christoph Aymanns

A THEORY ON PRE-ICO VENTURE CAPITAL INVOLVEMENT
Karsten Bocks

ON-CHAIN FINANCIAL OPTIONS FOR DIGITAL ASSETS
Alfonso Delgado De Molina

ARE CRYPTOCURRENCIES USEFUL AND WHAT DOES
THAT MEAN CENTRAL BANK DIGITAL CURRENCIES?
Martin Antoine – Federal Reserve Bank of New York

NETWORKING EVENT

STAGE 3

09:00

09:30

10:00

10:30

11:00

11:30

12:00

13:30

14:00

14:30

15:00

15:30

16:00

16:30

17:00

17:30

18:00

19:00

COFFEE BREAK

REVELIO: A MIMBLEWIMBLE-GRIN PROOF OF RESERVES
PROTOCOL
A. Dutta & S. Vijayakumaran

SATOS: STORAGE AGNOSTIC TOKENS OVER OPAQUE AND
SUBSTRUCTURAL TYPES
M. Knecht & B. Stiller

BITVIS: AN INTERACTIVE VISUALIZATION SYSTEM FOR
BITCOIN ACCOUNTS ANALYSIS
Y. Sun, H. Xiong, S. Yiu, L. Kwok Yan

LUNCH BREAK

ALBATROSS – AN OPTIMISTIC CONSENSUS ALGORITHM
P. Berrang, B. França, P. von Styp-Rekowsky, et al.

REFINEMENT AND VERIFICATION OF CBC CASPER
R. Nakamura, T. Jimba & D. Harz

ANTI-WITHOLDING REWARD SYSTEM TO SECURE
BLOCKCHAIN MINING POOLS
A. Sarker, S. Wuthier & S. Chang

MONETARY STABILIZATION IN CRYPTOCURRENCIES -
DESIGN APPROACHES AND OPEN QUESTIONS
I. Pernice, S. Henningsen, R. Proskaloovich, et al.

COFFEE BREAK

APPLYING PRIVATE INFORMATION RETRIEVAL TO
LIGHTWEIGHT BITCOIN CLIENTS
K. Qin, H. Hadass, A. Gervais & J. Reardon

FASTPROXY: HARDWARE AND SOFTWARE ACCELERATION
OF STRATUM MINING PROXY
G. Zhong, H. Javaid, H. Saadat, L. Xu, C. Hu & G. Brebner

WHISPERING BOTNET COMMAND & CONTROL INSTRUCTIONS
M. Baden, C. Torres, B. Pontiveros & R. State

A BLOCKCHAIN PROXY FOR LIGHTWEIGHT IOT DEVICES
G. Dittmann & J. Jelitto

SWISS IEEE WORKING GROUP ON BLOCKCHAIN &
DECENTRALIZED SYSTEMS
Mark Greenslade

NETWORKING EVENT

WEDNESDAY

26th June 2019

MAINSTAGE

REGISTRATION OPENS

07:30

08:30

WHAT ROLE FOR GLOBAL GOVERNMENTAL ORGANISATIONS IN PROMOTING BLOCKCHAIN TECHNOLOGY AND APPLICATIONS?
Emmanuelle Ganne – World Trade Organization

09:00

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

Florian Glatz – Bundesblock

Luka Müller – MME

Guenther Dobrauz – PwC

Eric Stupp – Bär & Karrer AG

09:30

TECHNOLOGY PANEL: HOW TO OWN YOUR IDENTITY ON THE INTERNET

Moderator: Jonathan Gabler

Arno Perenthaler – Swisscom Blockchain

Abbas Ali – R3 Corda Identity

Mike Lodder – Security Maven

Darrell O'Donnell – CULedger

Alevtina Dubovitskaya – Lucerne University of Applied Sciences

COFFEE BREAK

10:00

10:30

BLOCK 5

Crypto Assets

Marleen Evertsz – Nxchange

Niklas Nikolajsen – Bitcoin Suisse | Ali Mizani Oskui – Ficas

11:30

REGULATORY PANEL: WHAT ARE THE COMPLIANCE CHALLENGES RAISED BY CRYPTO? WHAT ARE THE DEVELOPMENTS & THE EMERGING SOLUTIONS?

Moderator: Mattia Rattaggi – CVA

Markus Beck – Bank Frick

Adrian Schatzmann – Swiss Bankers Association

Valentina Monga – Bank Zarattini

Delphine Forma – Lykke

Magdalena Boškic – Cryptobroker AG

12:00

LUNCH BREAK

13:30

BLOCK 6

IoT & Shared Data

Angel Versetti – Ambrosus

Heather Flannery – ConsenSys

14:30

BLOCK 7

Interoperability

Robert Habermeyer – Polkadot

Marley Gray – Microsoft

COFFEE BREAK

15:30

16:00

BLOCK 8

Cross-Border Payments

Wietse Wind – XRPL Labs

Teck Chia – Binance

Lisa C. Nestor – Stellar Development Foundation

NETWORKING, SNACKS & DRINKS

17:30

19:00

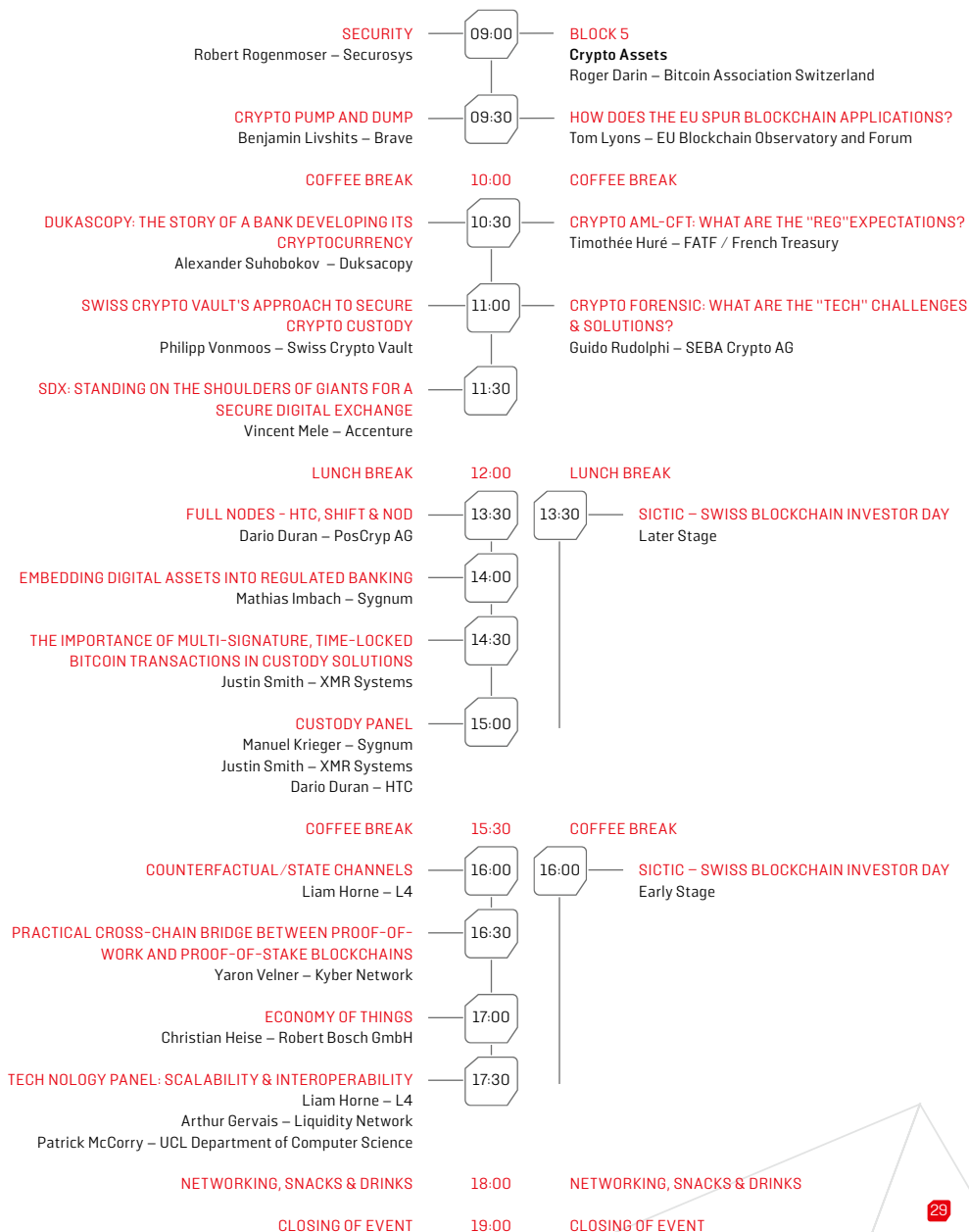
CLOSING OF EVENT

WEDNESDAY

26th June 2019

STAGE 2

STAGE 3



SPEAKERS' TOPIC TITLE

25.6.2019 – DAY II

USE CASES

Block 1

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

Block 2

11:30 – 12:00	Hubert Ritzdorf: Let Computers Audit Your Smart Contracts
13:30 – 14:00	Darrel O'Donnell: Digital Relationships Are Broken – Rebuilding a Cooperative Financial Relationship Using Decentralized Identity
14:00 – 14:30	Christian Cachin: Asymmetric Distributed Trust

IDENTITY MANAGEMENT

Block 3

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

SCALABILITY & CONSENSUS

Block 4

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

SPEAKERS' TOPIC TITLE

26.6.2019 – DAY III

CRYPTO ASSETS

Block 5

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	Ali Mizani Oskui: Blockchain Is Decentralizing Everything. Money Is the Beginning, Power Is the Main Target.

IOT & SHARED DATA

Block 6

13:30 – 14:00	Angel Versetti: CHIPLESS: Crypto-Powered RFID Tags as Digital Assets
14:00 – 14:30	Heather Flannery: Enabling Patient Self-Sovereignty in Healthcare: the Way Forward on Identity, Consent Management, and Patient-Centered Medical Records

INTEROPERABILITY

Block 7

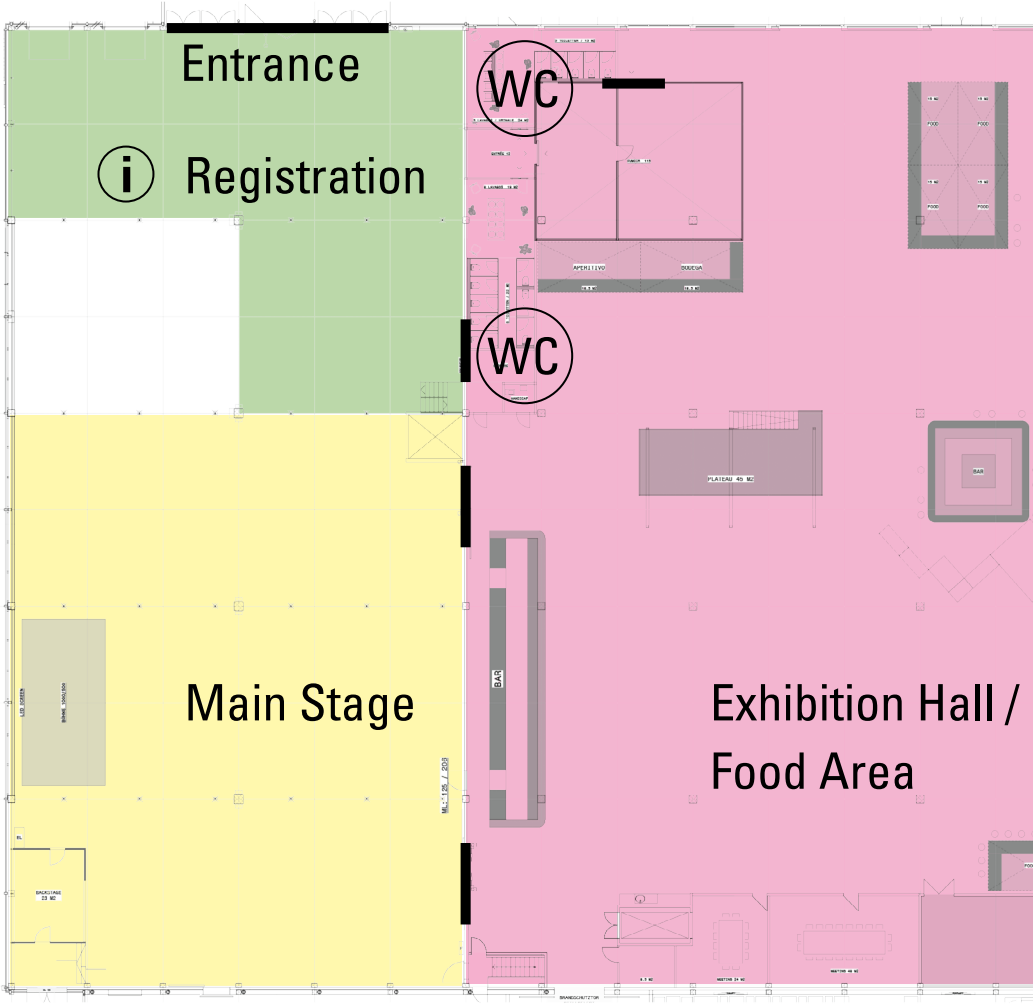
14:30 – 15:00	Robert Habermeier: Parachains in Polkadot: Architecture and Availability
15:00 – 15:30	Marley Gray: Principal PM Architect Azure Global

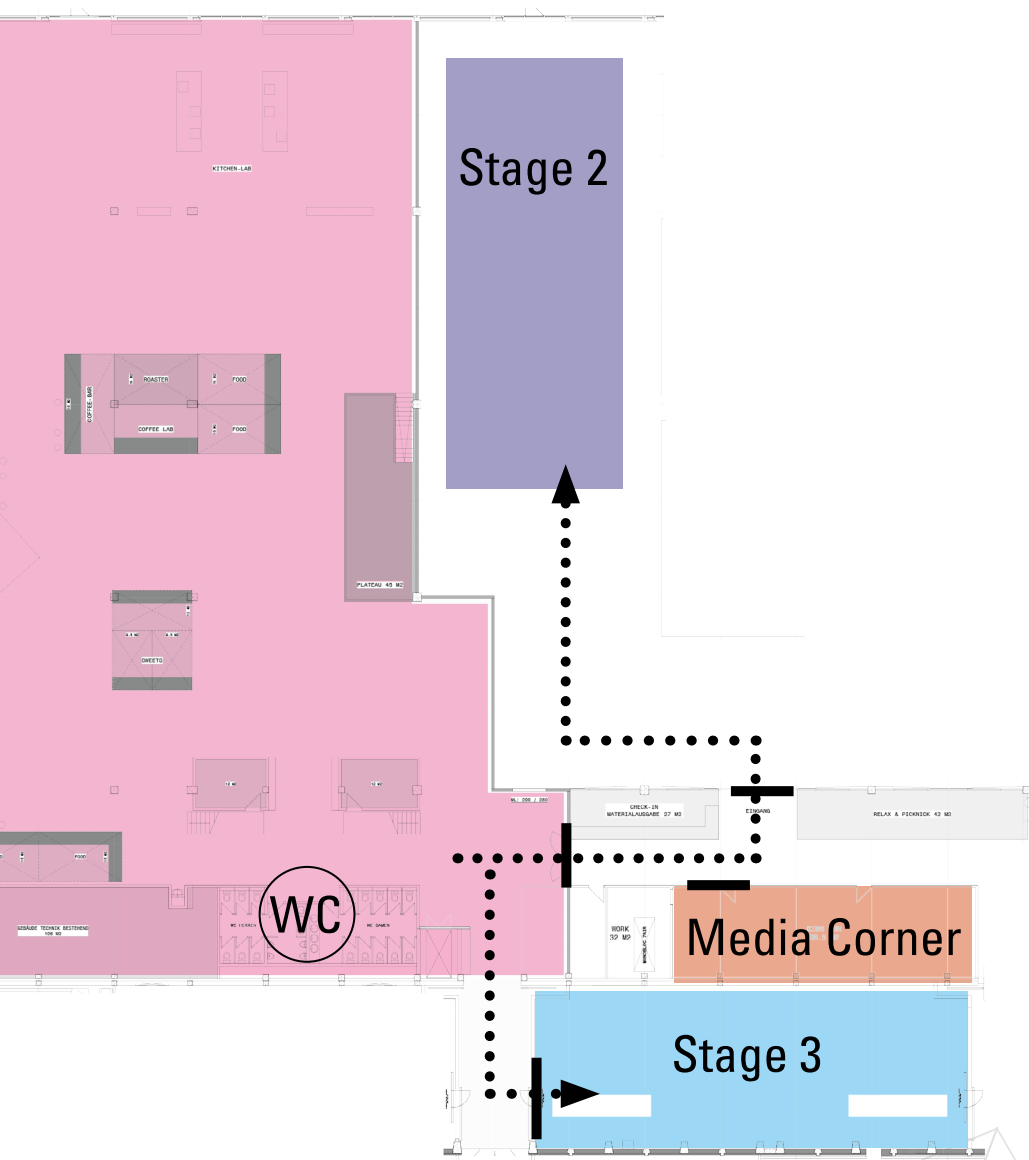
CROSS-BORDER PAYMENTS

Block 8

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





CONTACT

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THANK YOU

In the name of the Steering Committee, we thank you for your participation and interest in our Crypto Valley Conference on Blockchain Technology.