

Academic track - presentations on inspiring research activities into the social effects of Blockchain

Building a Citizen-Focused Health Care Infrastructure - Prof. Bill Buchanan (Edinburgh Napier University, Scotland)

In his presentation, Professor Bill Buchanan explained important elements of Blockchain technology, such as the Merkle tree or pseudo-anonymity. He criticized the fact that we continue to rely on the “old” protocols devised in the early days of the internet. Provocatively, he asked why we still use passwords in the era of Zero Knowledge Proof. He illustrated the use of Blockchain technology by humorously describing practical applications in smart cities, such as the digital toilet.

Blockchain for Improving Supply Chain Resiliency - Prof. Dr. Rohini K. Srihari (University at Buffalo, USA)

Professor Rohini Srihari presented the example of groundTruth from her work at the PeaceTech Lab. It deals with the application of Blockchain in connection with the “Silk Supply Chain”. One application is the tracking of silk deliveries from farmers, which can be identified by means of a digital ID in order to trace them along the entire value chain and to identify their origin in the final product. Another application is the real-time prediction of social disruptions and their effect on the value chain, for instance on the price development.

Towards Data Self-Sovereignty One Blockathon at a Time - Prof. Dr. Victoria Lemieux (University of British Columbia, Canada)

The value of data should flow back to its owners - a fact highlighted by Professor Victoria Lemieux in her presentation. The issue revolves around the targeted release of data and the incentive for its publication. Blockchain as a technology is the basis for this self-sovereignty. Professor Lemieux co-founded Blochchain@UBC because, as an archival scientist, she was fascinated by Blockchain’s record keeping properties. Blockchain’s immutability makes retroactively asserting claims and rights possible. and enables the creation of a trustworthy, reliable archive - an important feature in today's world of misinformation. As part of the Summer Institute, she organized “Blockathons (Hackathons for Blockchain Technology) for Social Good”.

BarCamp - Discussion of eight topics

The participants chose the following topics:

- Blockchain for Identity & e-Voting
- Blockchain for Health
- Blockchain Research Projects
- Blockchain for the Welfare System
- Legal aspects of Blockchain
- Education of the future generation
- Women in Blockchain
- Blockchain Innovations

The participants especially focused on “Women in Blockchain”, “Blockchain Innovations” and “Blockchain for Health” in their discussions. They spontaneously made themselves available for the role of moderators. Important aspects such as training, financing or technological developments were discussed in groups of ten to twenty people.

Start-up track - Start-ups pitch their solutions

Decentralized for the greater good - Gabriele Cacciola (Ocyan, England) & Andreas Papazidis (Co-Founder GRACEaid, England)

GRACEaid presented their solution for a donation platform based on the Ocyan platform.

Eliminating barriers for Capital in Emerging Economies - Chinyere Nnadi (Founder Sela Labs, USA)

Sela fights corruption in Africa through the possibility of public tracking and voting in the implementation of aid projects.

Ignis Blockchain: a sustainable infrastructure to easily launch your own community crypto currency - Francisco Sarrias (Senior Sales Engineer Jelurida, Switzerland)

The public Ignis Blockchain allows easy and fast implementation of Blockchain projects.

Company track - applications by established companies

Let's talk communication - Samuel Dionne (Founder Gremis, Switzerland, Canada)

Gremis supports two-way communication and allows the quick inclusion of user voices.

Digital identity as key enabler of e-Government - Jonas Lötscher (CPO Procivis, Switzerland)

The digital identity solution by Procivis is used, for example, in Schaffhausen. It is the basis for many e-government applications.

Self Sovereign Identity - power to the people and what it means for your business - Martin Fabini (CTO ti&m, Switzerland)

ti&m presented various applications of Self Sovereign ID, including one application for the health insurance sector.

Authentication of vital documents and products - Arno Pernthaler (Head of Academy Swisscom Blockchain AG, Switzerland)

Swisscom Blockchain presented use cases on the subject of supply chain and traceability of objects using IoT Devices.

Video presentation by Vanessa Grellet (Executive director ConsenSys, USA)

In her video presentation, Vanessa Grellet presented several ConsenSys projects for the social sector.

Use Cases - Existing Use Cases and Q&A

Educating Women and Youth Around the Globe - Elena Sinelnikova & Nataliya Hearn (CryptoChicks, Canada)

Elena and Nataliya presented their work at CryptoChicks, a Canadian non-profit organization. Through presentations, workshops and hackathons they convey application possibilities and the functionality of the Blockchain technology. Their target groups are women and young people, since existing offers are primarily designed to cater to men.

Towards Blockchain-based eVoting - Vasilij Suvorov (CTO Luxoft, Switzerland)

Using the example of the Zug eVoting project, Vasilij showed the solution's technical implementation and the results achieved. He also critically appraised the limitations of such solutions and discussed them with the participants.