Programme

Welcome and Introduction
Mariette DiChristina, Editor in Chief, Scientific American

Talks
Introduction to Blockchain and Cryptoeconomics
Mark Ballandies, ETH Zurich

Towards a Sustainable Circular Economy using Blockchain based Incentive Networks
Marcus Dapp, ETH Zurich

Cryptoeconomies for Science and Knowledge Sharing
Sönke Bartling, Blockchain for Science

Examples of real Blockchain Projects
Sven Laepple, ASTRATUM

Panel discussion, Q&A

Networking Reception

Sociel Media:
Twitter: @ETH_en
Facebook: @global.ethz.ch
#ETHZurich #BerlinSciWeek18

ETH zürich

Understanding Blockchain

Wednesday, 7 November 2018

18.00 h
Musikbrauerei
Greifswalder Str. 23A, 10405 Berlin

BERLIN SCIENCE WEEK **1~10 NOV 2018**

Although Bitcoin has become a household term over the past few years, most find the hype around cryptocurrencies presents a challenge to our understanding. Bitcoin was just the first application of a more fundamental new technology called Blockchain. Blockchain technology creates interesting application domains and incentive systems such as the emerging field of crypto economics. Creating new incentive systems allows society to address some central challenges of collective action. What would happen if we could motivate sustainable behavior with large scale of people to fight climate change? Similarly, what would happen if we could organize science in a way that makes global knowledge sharing faster?

ETH Zurich and other institutions active in these domains, will introduce participants to Blockchain Technology. Speakers will dive deeply into some of the applications and illustrate "real-life" projects. In a panel discussion, we will explore how Blockchain Technology decentralizes society.

www.ethz.ch

Mark Christopher Ballandies is a research assistant and PhD student at the professorship of Computational Social Science at ETH Zurich. In his thesis he researches multi-currency systems for knowledge sharing, where he combines the fields of semantic networks, link prediction and ethical data sharing. Our complex world faces challenges and problems not seen before. He believes, that in order to face those successfully we need to adjust our feedback mechanisms.

Marcus M. Dapp is PostDoc and Lecturer at the Chair for Computational Social Science at ETH Zurich. He is researching how blockchain technology can help create new incentive systems in peer-to-peer economic networks with a more sustainable twist ("blockchain for sustainability/social good"). His interestes range across cryptoeconomics, token economies, social proofs, community currencies, self-organizing decentralized autonomous organizations (DAO), mechanism design, and externalities.

Sönke Bartling is a board-certified radiologist and a scientist in basic medical imaging sciences. He was always interested in what novel online technologies can do for research, science communication and open science. He edited a living book on 'Opening Science" . And after falling down the bitcoin rabbit hole, he founded a thinktank around all Blockchain For Science and became a trailblazer of the decentralized future of research, to break with artificial and unnecessary constrains that limit the flow of information and great ideas. Currently, he is passionate to kickstart the emerging cryptoeconomy for research with its open and onboarding business models.

Sven Laepple is founder of ASTRATUM, co-founder of the German Blockchain Association and the Distributed Sky Alliance.ASTRATUM is a blockchain venture studio in Berlin and in blockchain since 2014. Focus is corporate innovation, crypto asset investment and ventures. Previously, he co-founded with Outlier Ventures Blockchain Angels Germany. Sven is since 20 years in digital innovation and had senior management roles at Vodafone Global, Deutsche Telekom, T-Systems and assisted Bank Austria in its digital transformation. He co-founded in Vienna an interactive integrator and incubator (IPO in 2000). Sven has an MBA from the University Mannheim (DKFM), and studied digital currencies, blockchain, smart contracts and fintech at the MIT and UNic. Sven has a passion for P2P since SETI and Napster and his inspiration are novels from William Gibson, Neal Stephenson and Daniel Suarez.