



## Mathematics and CS Seminar

# Digital Trust and Decentralization

**Eleftherios Kokoris-Kogias**

EPFL

Host: Krzysztof Pietrzak

In the last decades, computing managed to scale societies and bring everyone closer. We live in an era of efficiency and speed. Speed, however, is the enemy of trust. Trust needs friction and time to be built. In this talk, we are going to explore the evolution of trust and investigate the latest explosion of interest in digital and decentralized trust technologies. To this end, I am going to present both theoretical and practical advancements of my research in the last few years focusing on Byzantine Fault Tolerant systems and algorithms, answering questions such as: how can we get scalable decentralized systems able to support the current financial ecosystems, and how can we scavenge randomness from multiple semi-trustworthy players to run publicly-verifiable lotteries or to audit elections?

**Tuesday, March 3, 2020 09:00am - 10:00am**

Mondi Seminar Room 2, Central Building



This invitation is valid as a ticket for the ISTA Shuttle from and to Heiligenstadt Station.

Please find a schedule of the ISTA Shuttle on our webpage:

<https://ista.ac.at/en/campus/how-to-get-here/> The ISTA Shuttle bus is marked ISTA Shuttle (#142) and has the Institute Logo printed on the side.