



UAA College of Engineering
UNIVERSITY of ALASKA ANCHORAGE



UAA Professional Development Seminar Series

Assessing the Reliability of Physical Networks & the Security of the Bitcoin Network

Presented by Professor Sebastian Neumayer

Dr. Neumayer will present on his contributions and continuing research on network reliability and security, including methods to assess and support the survivability of networks to geographically correlated failures and design mechanisms from large-scale attacks and natural disasters on a fiber-optic infrastructure. Given the type of natural disasters and infrastructure projects in Alaska, there are applications of this work in the state.

In particular, the security of the Bitcoin network can offer protection against the reversal of digital transactions. Dr. Neumayer proposes a new method for accepting Bitcoin transactions to increase protection against transaction reversal while maintaining the same expected settlement time for transactions.

Sebastian Neumayer is an Assistant Professor in the Computer Science and Engineering Department at UAA. He was previously a technical staff member in the Cyber Security and Information Sciences Division at MIT Lincoln Laboratory. Dr. Sebastian earned his Ph.D. in Electrical Engineering and Computer Science from MIT.

Friday, September 29, 2017

11:45 am - 12:45 pm

UAA Engineering & Industry Building

EIB 211