

# Dynamic Network Analysis of Bitcoin's Lightning Network

István András Seres<sup>1</sup> and Claas Brüß<sup>2</sup>

<sup>1</sup>Department of Computer Algebra, Eötvös Loránd University

<sup>2</sup>Technische Universität München

April 3, 2019

## **Abstract**

**Keywords:** Bitcoin, Lightning Network, Network Security, Network Topology, Payment Channel Network, Network Robustness

## **1 Introduction**