

Scaling Blockchain for Telecom Networks: An Impossible Trinity



THEMATIC AREA: Blockchain

WEBINAR TITLE: Scaling Blockchain for Telecom Networks: An Impossible Trinity

DATE: Fri 30 July 2021

TIME: 12:00 – 13:00

DURATION: 1 Hour

VENUE: Online

CONTACT: blockchain-secretary@ieee-ukandireland.org

> WEBINAR HIGHLIGHTS

Similar to many industries, the telecom industry has also shown significant interest in employing blockchain technology to solve issues related to trust and security. This webinar will look into the challenges in developing scalable blockchain-based solutions for the telecommunications industry. We will look into the trade-offs between various requirements such as throughput, latency, and scale of the blockchain.

> WHO SHOULD ATTEND

This webinar is intended for telecommunications professionals and academic researchers interested in blockchain-based solutions and practitioners from other industries who might face similar challenges in scaling blockchain-based solutions. In addition, students currently enrolled in Computer Science/Engineering and Electrical Engineering would also benefit from this webinar.

> WEBINAR OBJECTIVES

- Summarise state-of-the-art research in the use of blockchain in the telecommunications, IoT, and energy sectors;
- Introduce the technology and infrastructure stack of a blockchain-based solution and functional and scalability benchmarking apparatus;
- Discuss the scalability trade-offs forming the Impossible Trinity of Blockchain;
- Finally, outline the solutions provided and concluding remarks.

> THE SPEAKER

Nima Afraz is an Assistant Professor in the School of Computer Science at University College Dublin. He is affiliated with the CONNECT Research Centre, and his research focuses on blockchain applications in telecoms, the economics of networks, and network virtualisation.

Nima is a recipient of the government of Ireland postdoctoral fellowship and worked as a postdoctoral fellow to address the challenges in adopting blockchain technology in telecommunications. Nima is the vice-chair of the Linux Foundation's Hyperledger telecom special interest group. He received his PhD in computer science from Trinity College Dublin, Ireland, in 2020.



> WEBINAR CONTENTS

1. Blockchain In Telecoms
2. Scalability Challenges
3. Performance Trade-offs
4. Deployment Cost Analysis

> ACCREDITATION

This webinar is accredited by IEEE UK and Ireland Section.

> TRAINING WEBINAR STYLE

This training Webinar offers an experiment-based view on the issues related to scalability of blockchains. In addition, the described evaluation methodologies could serve as a learning opportunity for researchers and students.

> REGISTRATION

Please fill in the form at [Scaling Blockchain for Telecom Networks: An Impossible Trinity Tickets, Fri 30 Jul 2021 at 12:00 | Eventbrite](#) to book your seat for the webinar



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