RESEARCH SEMINAR

We All Know That Audits Aren't Enough – Reshaping Blockchain Security

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Venue : N003

Abstract

While the DeFi ecosystem continues to grow, it remains vulnerable to a myriad of attacks and security threats. Traditional approaches, such as audits, have proven insufficient to fully secure the ecosystem. In this talk, Liyi Zhou will present a 0-to-1 paradigm shift to reshaping blockchain security. Zhou will introduce real-time Intrusion Detection and Prevention Systems (IDS/IPS) that are poised to revolutionize DeFi security. By addressing both the execution of DeFi attacks and the development of cutting-edge defensive mechanisms, Zhou aims to catalyze a new era of security and resilience within the DeFi ecosystem.

About the Speaker

Mr Liyi ZHOU is a fourth-year PhD candidate at Imperial College London, working under the guidance of Associate Professor Arthur Gervais. In close collaboration with fellow researcher Kaihua Qin, Zhou's research focuses on blockchain technology, decentralized finance, machine learning, and cybersecurity. Together, they have published numerous top-tier security conference papers, with Zhou contributing to over 15 papers in total during his PhD journey.

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