

NITheCS COLLOQUIUM:

# Building trustworthy national digital identity systems

Prof Carsten Maple (University of Warwick)

**DATE:** Friday, 17 May 2024 | 16h00–17h00 SAST

**VENUES:**

- Delta Lecture Hall, Merensky Building, Stellenbosch University
- Online

## ABSTRACT

National digital identity systems are being increasingly developed and deployed across the world to support the delivery of key government services to people that may have been previously excluded. While these systems have undoubted benefit, the misuse of these systems could have serious and lasting consequences for those they are designed to help most.

In this talk we present a framework for measuring the trustworthiness of national digital identity systems and some of the techniques that can enhance the trustworthiness.

## BIOGRAPHY

Prof Carsten Maple is the Director of the NCSC-EPSC Academic Centre of Excellence in Cyber Security Research and Professor of Cyber Systems Engineering at the University of Warwick. He is also Director for Research Innovation at EDGE-AI, the National Edge Artificial Intelligence Hub, a co-investigator of the PETRAS National Centre of Excellence for IoT Systems Cybersecurity, and is a Fellow of the Alan Turing Institute, where he is principal investigator on a \$9 million project developing trustworthy digital infrastructure.

Carsten is co-investigator on the Framework for Responsible AI in Finance project, leading on Security and Privacy. He has an international research reputation, having published over 350 peer-reviewed papers. His research has attracted millions of pounds in funding and has been widely reported through the media. He has given evidence to government committees on issues of anonymity and child safety online. Additionally he has advised the boards of public and multibillion pound private sector organisations and is a member of two Royal Society working groups, including the working group on Privacy Enhancing Technologies.



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