Trustworthy Systems

A recognised world leader in the formal verification of systems software and developer of the first operating-system kernel with an implementation correctness proof.

Competitive advantage

- Unique capability in the design, implementation and formal verification of security-critical software systems

Impact

- Truly trustworthy (unhackable) software systems with provable security properties

Successful applications

- Cyber-retrofit of Boeing autonomous helicopter (ULB) under the DARPA HACMS program
- Secure communication device (AltaCrypt) built by Australian company Penten and deployed in multiple defence forces
- German company HENSOLDT Cyber developing secure solutions based on seL4

Capabilities and facilities

- Verification of real-world software systems

Our partners

- DARPA
- Boeing
- Rockwell Aerospace
- HENSOLDT Cyber

More Information

Scientia Professor Gernot Heiser

School of Computer Science Engineering

T: +61 2 9490 5850
E: gernot@unsw.edu.au

UNSW Knowledge Exchange

knowledge.exchange@unsw.edu.au

www.capabilities.unsw.edu.au

+61 (2) 9385 5008