

CHERI Blossoms Conference 2025



09:00 - 09:30 Welcome / Registration / Coffee

Keynotes

Alastair Beresford – University of Cambridge	Keynote
John Goodacre – UKRI	Findings from DSbD program
Bradley Finn – DSIT	Building Resilience: Enhancing productivity through Secure by Design systems
Charlie D2 – NCSC	Adopting Marketing
Simon Moore – University of Cambridge	About CHERI
Mike Eftimakis – CHERI Alliance	Progress of the Alliance

10:55 - 11:15 Break + Exhibition

Hardware

Gavin Ferris – lowRISC Haydn Povey – SCI Semi	Project Sunburst: An Open-Source CHERIoT SoC Top-Level and its Path to Market with IcenI
Tariq Kurd – Codasip	CHERI RISC-V Standardisation
Jonathan Woodruff – Capabilities Limited	CHERI support for CVA6
David Chisnall – SCI Semiconductor	CHERIoT 2025
Mark Hill – Codasip	Efficient system-level support for CHERI Capabilities
Ashish Darbari – Axiomise	Industrial-Strength Formal Verification of RISC-V Processors

12:35 - 13:25 Lunch + Exhibition

OS

Mike Halsall - CHERI Alliance	Surprise!
Dmitriy Yeliseyev – Windriver	Implementation of CHERI Capabilities in a Safety-Critical Real-Time Operating System for Intelligent Edge Systems
Carl Shaw – Codasip Kevin Brodsky – Arm	Porting Linux to CHERI
Martin Atkins – Mission Critical Applications Limited	Hybrid CHERI in seL4 user space
Domagoj Stolfa – Capabilities Limited, University of Cambridge	Porting V8 to CHERI: An Overview

14:30 - 14:50 Break + Exhibition

Software

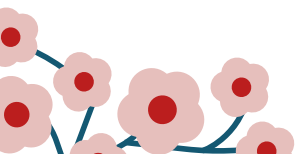
Robert Watson – CHERI Alliance	Latest news about CHERI
Joshua Lant – University of Manchester	Securing Secure Networking tools for Morello Linux
Mark Batty – Kent University	Rust for Morello: Always-On Memory Safety, Even in Unsafe Code
Tim Hartley – University of Manchester	Securing OpenJDK with CHERI
Phil Day – Configured Things	Implementing safe and resilient configuration management with CHERIoT
Jeremy Singer – University of Glasgow	CHERI MicroPython: Challenges and Opportunities
Gavin Burns – Digital Catapult	Digital Security by Design Remote Lab

16:00 - 16:20 Break + Exhibition

Working Groups

Alfredo Mazinghi – WG lead	QEMU WG
Ben Fletcher – WG lead	SoC WG
Marno van der Maas – WG lead	Repository WG
Mike Eftimakis – WG lead	Promotion & Ambassador WG
Hesham Almatary – WG lead	seL4 WG
Tora Fridholm – WG lead	Marketing WG

17:10 - 19:00 Networking Reception + Exhibition



CHERI