

TOPICS

- Formal verification and timing analysis of distributed/parallel real-time systems
- Programming models and runtime frameworks for real-time execution on heterogeneous platforms
- Scalable and predictable middleware for CPS, IoT, and IIoT
- Real-time networking protocols and services
- ML-assisted scheduling, resource management, and control
- Compiler and system software support for parallel and time-constrained workloads
- Virtualisation, containerization, and mixed-criticality management on multi-core platforms
- Real-time operating systems (RTOS), hypervisors, and separation kernels
- Distributed trust, resilience, and adaptive security for embedded CPS
- Real-time, secure, and adaptive computing architectures for Software-Defined Vehicles (SDVs) and connected autonomous systems

IMPORTANT DATES

Paper submission: **Nov 15, 2026**

Acceptance Notification: **Dec 17, 2026**

PROGRAM CHAIRS



Dr. Harrison Kurunathan
CISTER Research Center,
Portugal



Dr. Hazem Ismail Ali
Halmstad University,
Sweden

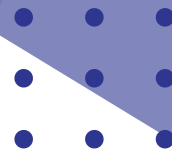
CALL FOR PAPERS

NG-RES 2027

International Workshop on Next Generation
Real-Time Embedded Systems



Glasgow, Scotland



18 January 2027

Co-located with
the HiPEAC conference