

第二十八屆高性能計算及嵌入式編譯技術與系統軟體研討會

The 28th Workshop on Compiler Techniques and System Software for High-Performance and Embedded in Computing (CTHPC 2023)

2023年5月25、26日 國立成功大學

第二十八屆高性能計算及嵌入式編譯技術與系統軟體研討會由國立成功大學承辦，會議日期謹訂於2023年5月25、26日。本會議旨在推進高性能/嵌入式計算之編譯技術、系統軟體的相關研究討論，為學者及研究生提供學術交流與成果發表的場所，同時積極邀請國內外業界專家參與。本會議歡迎學術界、工業界、以及各研究單位發表最近的研究成果與進行中的研究計畫，並和與會的專家學者相互交流討論，分享最新的高性能與嵌入式計算系統軟體之技術與知識。本屆議程委員將推薦至多兩篇初次發表之會議論文，推薦至 Connection Science 國際期刊審查後發表。詳細內容請參閱本屆研討會網址：<https://sites.google.com/view/cthpc2023>

Topics

- AI Compilers
- VLIW DSP Compilers
- Run-Time Optimizations
- Edge Computing
- GPU programming
- Compilers for embedded multi-cores
- Compiler Optimizations for Irregular Structures
- Intermediate Representations and Flow Analysis
- Parallel Programming Environments
- Grid Computing and Applications
- Mobile/Network/Internet Computing
- Data-Intensive Applications and Parallel I/O
- Processing-In-Memory Techniques
- Parallelizing and Vector Compiler Techniques
- Cluster Computing and Applications
- Peer-to-Peer Computing and Applications
- Pervasive and Ubiquitous Computing
- Scientific Applications/Embedded Applications
- System Software with Nonvolatile Memory
- Compiler/OS/Architecture for RISC-V
- Languages and Libraries for High-Performance Computing
- Compiler Techniques for Real-Time and Embedded Systems
- Compiler Optimizations for Superscalar/VLIW Architectures

Paper Submission

Papers should have two to four A4 pages in the IEEE conference style (see <https://www.ieee.org/conferences/publishing/templates.html>). Please submit papers in the Portable Document Format (PDF) to the submission page on EasyChair: <https://easychair.org/conferences/?conf=cthpc2023>

Important Date

Submission Deadline: April 3, 2023
Notification: April 24, 2023
Camera-Ready Due: May 1, 2023
Workshop Date: May 25-26, 2023

