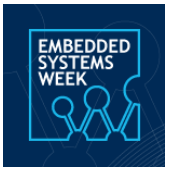
CODAI'22: Workshop on Compilers, Deployment, and Tooling for Edge AI

Call for Papers

October 13th 2022 | Virtual workshop, co-hosted at Embedded Systems Week



The **CODAI** workshop coalesces the emerging energy in the AI compiler communities and AI accelerator communities focusing on **Edge AI** in both **academic and industrial research**. Original technical research submissions as well as submissions from industry and applications on, but not limited to, the following topics are invited:

- Optimization techniques of neural networks on embedded edge systems: **compression, pruning, quantization techniques, hardware/compiler-aware neural architecture search**, etc.
- Performance estimation of neural networks on embedded systems: **virtual prototyping, surrogate modeling, profiling** etc.
- Compilers for Edge AI: **partitioning, mapping, retargeting, intermediate representations, for heterogeneous systems and architectures, µC, DSP** etc.
- Code-generation and compiler-backends for AI accelerators - especially for **RISC-V** and **beyond-von-Neumann AI accelerators** is appreciated
- Applications: processing of **embedded vision, sensor signal processing, novel brain-inspired algorithms for Edge AI** etc.

Submission Details

Submissions can be made on the CODAI website. Manuscripts with up to four (4) pages excluding references will be reviewed. The reviewing process is double-blinded. Therefore, please exclude all author's information in the PDF. Full papers will be reviewed, preliminary submissions may not be considered. Template: please use the SigConf ACM style template in double columns format for submissions.

Important Dates

- **Abstract submission deadline: August 25, 2022 at 23:59 AOE**
- **Paper submission deadline: September 8, 2022 at 23:59 AOE**
- Acceptance notification: September 22, 2022 at 23:59 AOE
- Camera-ready deadline: September 30, 2022 at 23:59 AOE