Call for Papers

EMBEDDED SYSTEMS WEEK



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 Al: 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 <u>CODAI website</u>. 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. <u>Template</u>: please use the SigConf <u>ACM style template</u> 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, 2022at 23:59 AOE
- Camera-ready deadline: September 30, 2022at 23:59 AOE