OpenAMP Project Intro
Standardizing Asymmetric Runtime Integration
OpenAMP: “Open Asymmetric Multi-Processing” Project

Runtime coexistence and collaboration
Runtime hardware resource assignment
Resource sharing and IPC between runtimes
Control mechanisms to start and stop runtimes
Typical system: Linux + RTOS on one system-on-chip

Modern Embedded Targets integrate multiple HW resources, e.g. multiple core clusters, shared memory and peripherals.
OpenAMP Embedded Runtimes

*Embedded Targets have multiple Runtimes that need to collaborate*
OpenAMP HW Assignment

The HW resources need to be assigned into Runtime Domains
OpenAMP Runtime Control

The Runtimes need to be managed, e.g. loaded into memory and started
OpenAMP Resource Sharing and IPC

The Runtimes need to share data and services
OpenAMP provides standards, runtime libraries and tooling built on top of existing open source projects to simplify runtime collaboration.
Check it out and get involved!

Community Project Website

www.openampproject.org

Contributing companies:
Thank You