

## Session 5: EU related projects

### **eProcessor: European, extendable, energy-efficient, extreme-scale, extensible, Processor Ecosystem**

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#### **Abstract**

The eProcessor ecosystem combines open source software (SW)/hardware (HW) to deliver the first completely open source European full stack ecosystem based on a new RISC-V CPU coupled to multiple diverse accelerators that target traditional HPC and extend into mixed precision workloads for High Performance Data Analytics (HPDA), (AI, ML, DL and Bioinformatics). eProcessor will be extendable (open source), energy-efficient (low power), extreme-scale (high performance), suitable for uses in HPC and embedded applications, and extensible (easy to add on-chip and/or off-chip components), hence, the “e” used as a wildcard in eProcessor proposal name.