

Nomenclature

List of Abbreviations

ALU	: Arithmetic and Logic Unit
ASIC	: Application Specific Integrated Circuits
CMP	: Chip Multi Processors
CPU	: Central Processing Unit
CUDA	: Compute Unified Device Architecture
EDGE	: Explicit Data Graph Execution
EF	: Execution Fabric
HRM	: Hardware Resource Manager
ISA	: Instruction Set Architecture
MoC	: Model of Computation
MPSoC	: Multi-processor System on Chip
NoC	: Network on Chip
PC	: Program Counter
PE	: Processing Element
RISC	: Reduced Instruction Set Computer
SMP	: Symmetric Multi-processing
SoC	: System on Chip
VLIW	: Very Long Instruction Words
TIE	: Tensilica Instruction Extension