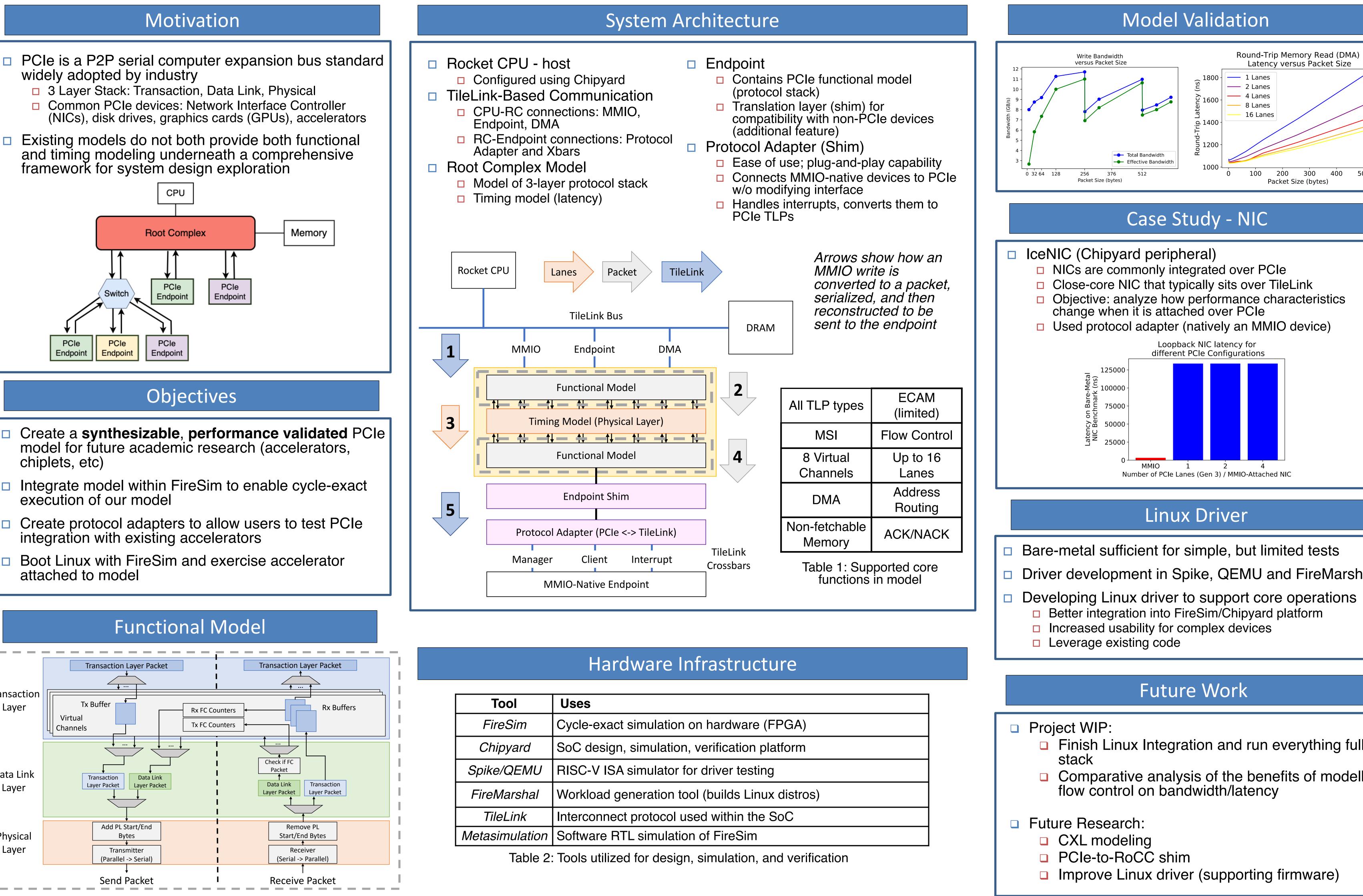
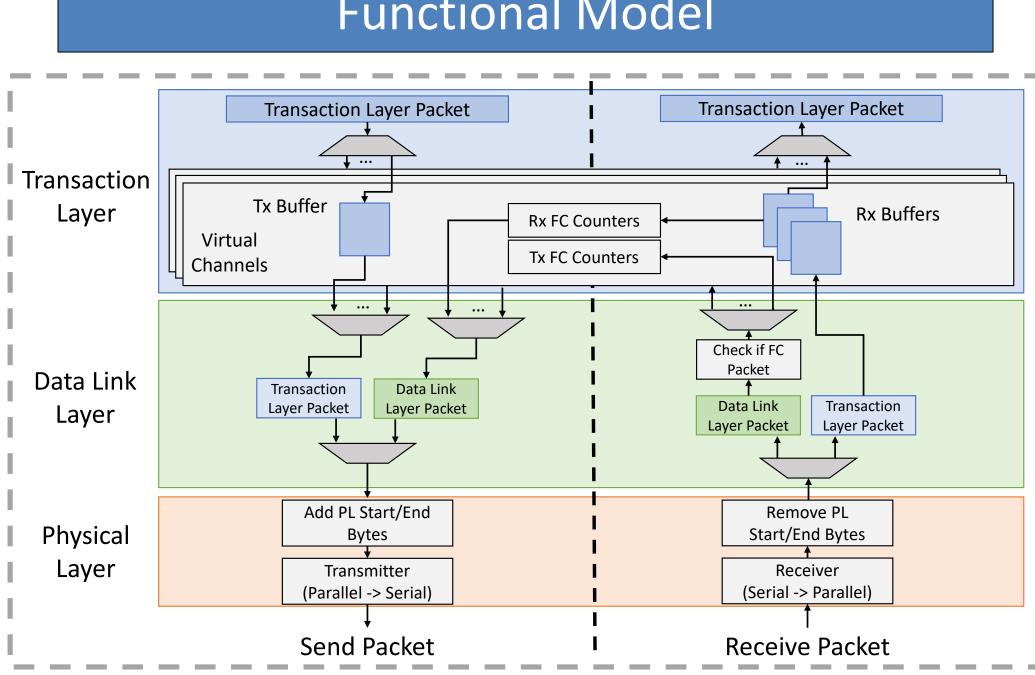


Abstract Modeling of Complex Communication Protocols for High-Performance Hardware Simulation





EXPLORING INDUSTRY STANDARD SYSTEM INTEGRATION FOR HW/SW CO-DESIGN

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Tool	Uses	
FireSim	Cycle-exact simulation on hardware (FPGA)	
Chipyard	SoC design, simulation, verification platform	
Spike/QEMU	RISC-V ISA simulator for driver testing	
FireMarshal	Workload generation tool (builds Linux distros)	
TileLink	Interconnect protocol used within the SoC	
Metasimulation	Software RTL simulation of FireSim	
Table O. Table utilized for designs, sinculation, and worlding to p		



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