NARLabs
國家實驗研究院

MPSoC System Design Example

www.narlabs.org.tw

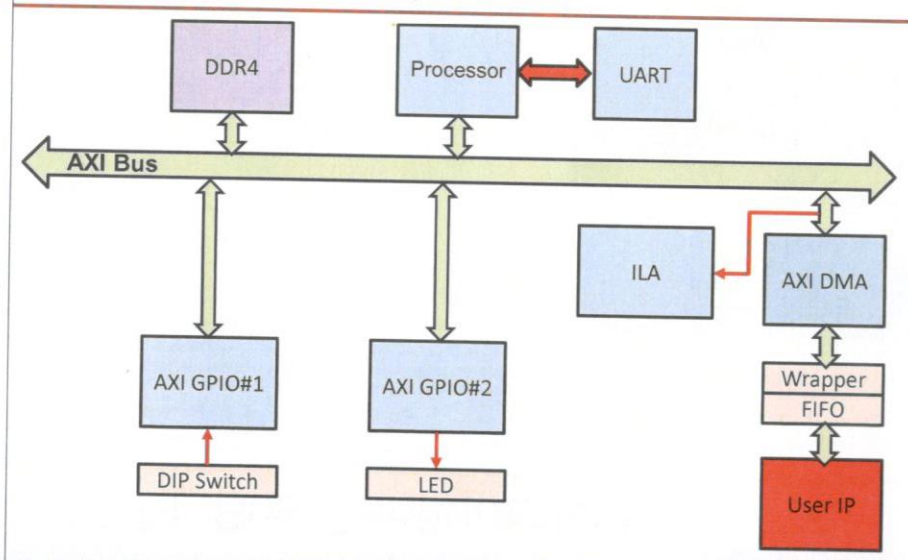
MPSoC system design example

NARLabs

- Vivado design flow(HW)
  - Create MPSoC project
  - Set IP Repository
  - Create system block design
    - PS IP:UART
    - PL IP:AXI GPIO, AXI DMA, User IP
    - Bus connection
    - Interrupt
  - Memory Map (Address Editor)
  - ILA
- SDK design flow(FW / bare-metal)
  - Create application project
  - Run application
  - HW/SW debug

MPSoC Lab System

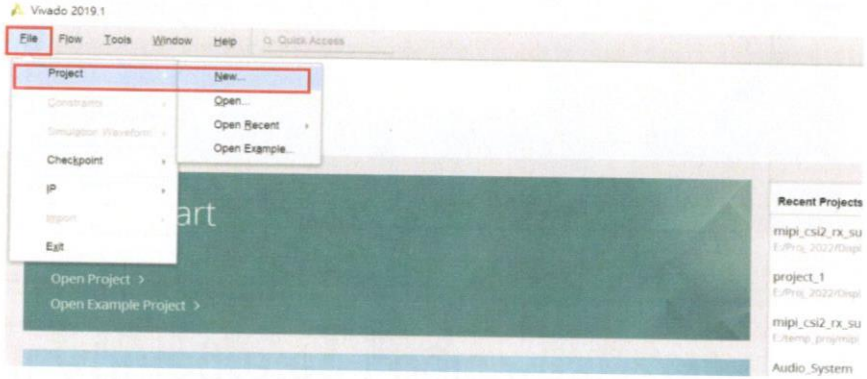
NARLabs



Create Project

NARLabs

- File→Project→New…



Project Name & Location

NARLabs