## **FPGA Design Flow**

George Mason University

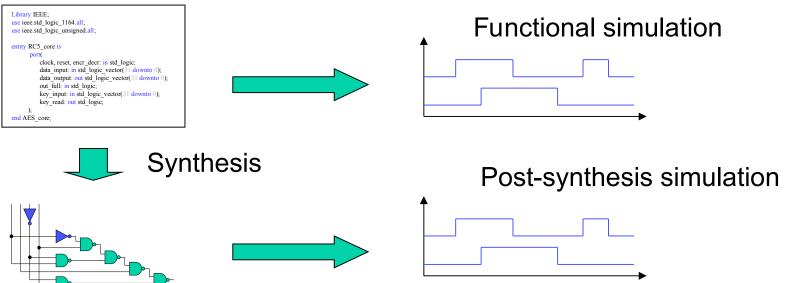
## **FPGA Design process (1)**

Design and implement a simple unit permitting to speed up encryption with RC5-similar cipher with fixed key set on 8031 microcontroller. Unlike in the experiment 5, this time your unit has to be able to perform an encryption algorithm by itself, executing 32 rounds....

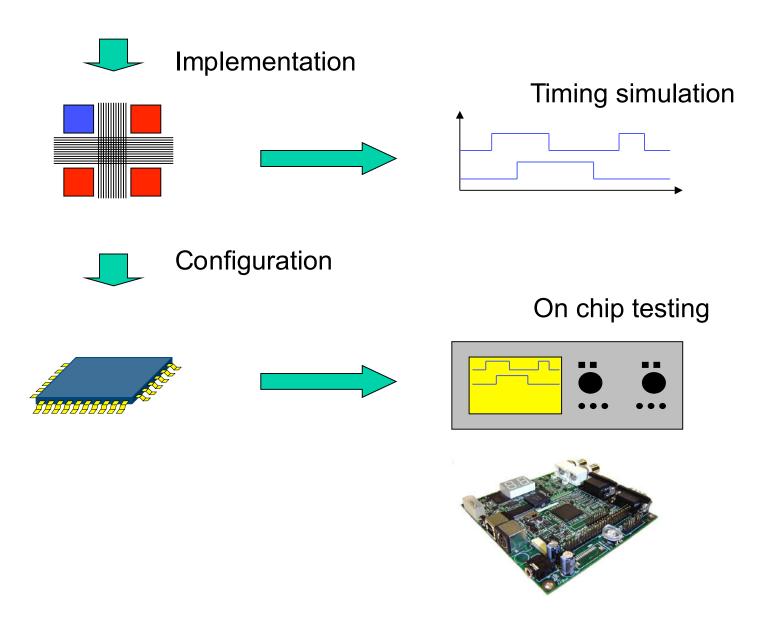
Specification / Pseudocode

On-paper hardware design (Block diagram & ASM chart)

VHDL description (Your Source Files)



## **FPGA Design process (2)**



## Tools used in FPGA Design Flow

