FPGA Computing Systems :
Background Knowledge & Introductory Materials

Quiz Answers

Week 1 : Programmable SoC vs SoMCs

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1. What is the difference between Programmable System-on-Chip and Programmable System-on-Multiple Chips

A Programmable SoC (System-on-Chip) is a system which is "entirely" implemented in a single chip
Correct
This is correct, a SoC has to be implemented on a single chip

Programmable System-on-Multiple Chips are systems implemented by crossing the boundaries of multiple chips
Correct
This is correct

The main difference can be found in the number of chips used to implement the system. A SoC is implemented by using a single chip, while a System-on-Multiple Chips requires more than a single chip to be implemented.
Correct
This is correct, more information about this question can be found both in lecture "Programmable System-on-Chip" and in lecture "Programmable System-on-Multiple Chip"

A Programmable SoC (System-on-Chip) is a system which has to be implemented on multiple chips

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2. The software part of an adaptive computing system can't be an operating system

False
Correct
That's true, the software part of an adaptive computing system can be an operating system

True

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3. A standalone code is usually used for complex system, involving lots of components and configurations

False
Correct
This is correct, we do prefer to use an OS

True
