

ICOM 4215 Homework 2 Fall 2010

Today: October 11, 2010

Due date: October 15, 2010

Points: 10 points

Group homework – three students per group

Submission:

- Via email and oral presentation
 - Part I via email
 - Part II in the classroom
- Subject on the email: Homework 2 ICOM 4215
- Send the email to nayda.santiago@ece.uprm.edu. Submit by 2:30pm on the due date.

Group 1: Study different current **workstation** processors and compare them in terms of frequency, cache size, characteristics of the processor, ISA, power consumption, cost, and technological advances.

Group 2: Study different current **mobile computing** processors and compare them in terms of frequency, cache size, characteristics of the processor, ISA, power consumption, cost, and technological advances.

Group 3: Study different current **high performance computing** processors and compare them in terms of frequency, cache size, characteristics of the processor, ISA, power consumption, cost, and technological advances.

Group 4: Study different current **Graphic Processing Units** and compare them in terms of frequency, cache size, characteristics of the processor, ISA, power consumption, cost, and technological advances.

Group 5: Study different current **Digital Signal Processors** and compare them in terms of frequency, cache size, characteristics of the processor, ISA, power consumption, cost, and technological advances.

All Groups

Part I:

Prepare a description of the processors and a table with the comparison (600 to 1000 words)
You will turn in both the table and the presentation (via email).

Part II:

Prepare a 10 minute presentation. One of the students will present for the group.