

# Courses on Computer Networks and Distributed Systems

## *Technical sheet of Term Exam 2*

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- Date and time: **Monday, 18/December/2017, 9:00 am.** Duration is 100 min. max.
- Location: Technology I Bldg., Oral Defense Hall (Salón de Grados)
- ID: All students must properly identify themselves with their University ID, DNI or passport, without exception whatsoever
- Materials: Basic Scientific calculator, no cellular phone or computing device will be allowed whatsoever
- The exam covers all the Lectures and Labs from 6/Nov through 11/Dec (Please check [paloalto.unileon.es/ds](http://paloalto.unileon.es/ds)):
  - Lecture presentations:
    - Intro. to Distributed Systems
    - Distributed Systems Models (6/Nov in the Lab Sessions)
    - Marshaling and External Data Representation
    - Distributed Objects and Remote Invocations
    - Computers and Physical Time
    - Distributed Computing with Apache Hadoop
  - Study Guides and Questionnaires
  - Lab scripts:
    - Review the concepts explained in each Lab
    - We are not asking you to compose computer programs from scratch, but you must understand any code snippet from any of the Lab Practicals, be able to respond to questions related with them and supplement them if asked to do so
    - C/S with Sockets (I and II): UML diagrams, Java Multithreading, TCP Sockets
    - C/S with Java RMI: Structure of RMI, basic mechanisms and processes, deployment of a C/S project
    - Distributed Computing with Apache Hadoop
- Language: English or Spanish. You are welcome to compose your exam in English. Those interested in composing their exam in English must send me their request to [foces.informatica.unileon@gmail.com](mailto:foces.informatica.unileon@gmail.com)
- Types of questions:

- Quiz. Wrong answers contribute a negative credit, consequently, avoid ticking answers of which you are not sure. In the SG's (Study Guides) you have several examples illustrating how these questions are assessed
- Short exercises like that at the end of the presentation about Physical Time
- Short conceptual questions including definitions of concepts and, more importantly, explanations thereof