Exam rules

In order to pass the exam the students (individually or in group) are required:

- To complete a practical project on case study of interest regarding a distributed system;
- To present a project report;
- To present the simulative or practical results of the project;
- To answer to **individual** questions regarding the project topics.

The mark will be given by the sum of the results based on the following scheme:

- Thoughtfulness and completeness of the project report: [0 – 10]
- Quality of the results: [0 – 10]
- Correctness of the **individual** question/answer: [0 – 10]

The purpose of the exam is to verify the knowledge gained during the course, the problem-solving ability of the student, the capability for problem analysis and synthesis of results. The final grade comes from a blended opinion of the previous abilities as well as on the originality, scientific soundness and technical validity of the presented project.

The project should be delivered **at least 48h** before the exam discussion

Project report

Project Report (double column, article style)

a) Abstract, introduction and problem formulation

b) Distributed system adopted (SCADA, DCS, robot network, etc.)

c) System model (robot, sensors and actuators)

d) Proposed solution (control laws, estimators, etc.)

e) Implementation (practical and/or developed simulator)

f) Experimental results on the system, to be shown with numeric data evidence and graphs (>= 2 pages)

g) Conclusions and discussions of the benefits and limits of the application and possible future directions

Use the template model available. The report should be of a length between 6 to 8 pages.