DISTRIBUTED ALGORITHMS FALL 2013 PROJECT THEMES

The projects can be one of follows:

1. Distributed graph matching algorithms (assigned to Can)
2. Distributed independent set algorithms (assigned to Ozkan)
3. Distributed dominating set algorithms (assigned to Yalcin)
4. Distributed graph coloring algorithms (assigned to Avni)
5. Self-stabilizing tree algorithms (assigned to Vedat)
6. Distributed routing algorithms (assigned to Ahmet)

In each project followings should be achieved:

1. The problem and network model should be well defined.
2. At least 3 important algorithms in this field should be selected and implemented on a simulator.
3. Algorithms should be compared both theoretically (message, bit, space, time, computational complexities) and practically.
4. A comprehensive report and a presentation should be prepared.
5. At most 2 students can be in a group. Groups are expected to present more detailed works than individuals.

Project Deadlines:

- 19 November 2013:
  The Project Proposal: Aim of the project with the selected algorithms should be described briefly. The reason to choose these algorithms should be given.

- 17 January 2014:
  Final Report and Project Codes.

- 21 January 2014:
  Project Presentations (Each presentation should be at least 30 mins.) Please prepare your simulation environment during presentation.

Submissions should be made to both e-mail addresses:
orhandagdeviren@gmail.com, orhan.dagdeviren@ege.edu.tr

Assist. Prof. Dr. Orhan Dagdeviren
International Computer Institute
Ege University