

## INF5140 Mandatory Assignment, Spring 2007

### 1 Requirements and Hand-in

This assignment should be done individually or in groups of two students. Each group should submit one report describing the system they want to model and verify (if applied, with references to the corresponding papers). You should document the model and present the results. The report should be sent by mail (to `gerardo@ifi.uio.no`) by May 16th 2007 before the lecture as a *tar* file with your name as directory (e.g., if the files are in `gerardo/` type `tar -cvf gerardo.tar gerardo`). The students should also present their solution (in a PC) on Wednesday May 16th during the normal course hours (12:15 till 15:00).

The report should contain:

- Name and e-mail address of each of the participants in the group.
- A description of the problem.
- A description of the Promela model, i.e. what abstractions have been made, which parts of the specification are included in the model and which are not, together with motivations. Explain also how these decisions have influenced the validation results.
- The Promela model.
- The verification results.