## Homework Set #4

The intention is that you do the exercises yourself. Oral discussion (without using pen/paper) between students is allowed, but the solution should be written down individually.

The homework must be submitted one day before each tutorial session either on paper (before 6 PM) or via email (before mid night).

Every correctly solved problem gives 1 point, partially correct gives 0.5 point, mostly wrong 0 point.

Numbers below refer to problems in the text book: Amos Lapidoth, "A Foundation in Digital Communication".

- 1. Exercise 20.1
- 2. Exercise 20.2
- 3. Exercise 20.3
- $4. \ \text{Exercise} \ 20.4$
- 5. Exercise 20.13
- 6. Exercise 21.2
- 7. Exercise 21.4
- 8. Exercise 21.8

Solution due December 02, 2014 Instructor: Tobias J. Oechtering and Ragnar Thobaben, Email: oech@kth.se, ragnar.thobaben@ee.kth.se Assistant: Ahmed Zaki, Email: zakiah@kth.se