



## Organization

- 4 credits
- Professors
  - Lectures: Nicolae Cleju
  - Laboratories / Seminar: Nicolae Cleju
- ▶ Time schedule
  - ▶ 14 weeks of lectures (3h each)
  - ▶ 14h laboratory = 7 laboratories × 2h each
  - ▶ 14h seminar = 14 seminars  $\times$  1h each
- ▶ My office hours: *To Be Announced* (best by appointment)

## **Evaluation**

- ► Exam = 60%
  - ▶ 60% of final grade
  - Exercises and Theory
  - Similar to Information Theory exam
- ► Applications = 40%
  - ► Laboratory = 20%
    - ▶ in Matlab / Simulink
    - activity throughout semester (10%)
    - ▶ final laboratory practical test in Matlab / Simulink (10%)
  - Seminar + Intermediate tests = 20%
    - ▶ 3 tests: in Week 5, Week 8 and Week 11
    - test = one exercise, 30 minutes, during seminar
    - ► Tests grade = average of the three tests grades + presence at Seminar
- Final grade = 60% Exam + (20% Lab + 20% Tests)

## Course structure

- 1. Chapter I: Random signals
- 2. Chapter II: Statistical decision theory
- 3. Chapter III: Statistical estimation

## Bibliography (TBD)

- 1. *Elements of Information Theory*, Valeriu Munteanu, Daniela Tarniceriu, Ed. CERMI 2007
- 2. *Elements of Information Theory*, Thomas M. Cover, Joy A. Thomas, 2nd Edition, Wiley 2006
- 3. Transmisia si codarea informatiei, lectures at ETTI (Romanian)
- 4. *Information and Coding Theory*, Gareth A. Jones, J. Mary Jones, Springer 2000