Computational analysis of biological structures and networks

Instruction for the thematic workshop

Manuele Bicego
Computer Science Dept.
University of Verona
Assessment methods

Two parts:

• First part: few questions on course topics (written exam, during exam sessions)

• Second part: talk within a tematic workshop (as in a conference)

From introduction
Assessment methods

**Talk** within a tematic workshop: details

- The topic of the tematic workshop will be decided in advance
- Each student chooses a scientific paper to be presented in 10 minutes
- One tematic workshop will be held at the end of the course
- Other sessions in September and February
Procedure

• All students who want to participate to the first session need to register by sending an email (Deadline: 7/4)

• All students have to choose a paper on the assigned topic to be presented at the workshop
  • One different paper per student (a list of taken papers will be maintained on the web page)

CHECKPOINT: the chosen paper should be approved by the instructor
The topic for this year is “Dissimilarity-based approaches in bioinformatics”

- Derivation of novel similarities/dissimilarities measures for biomedical problems
- Novel approaches based on dissimilarities
- Biological findings obtained with dissimilarity-based techniques
Procedure

- **Preferred**: Papers published in Briefings in Bioinformatics, Bioinformatics IEEE/ACM Transactions on Computational Biology and Bioinformatics, BMC Bioinformatics, BMC Genomics, Artificial Intelligence in Medicine or other high impact journals (Nature, Science, ...)

- **Alternatives**:
  - Other papers published journals of Elsevier, IEEE, ACM, Springer and Oxford Academic can be considered (check)
  - Conference papers published in IEEE-IAPR-ACM conferences
Procedure

- Each student is given 10 minutes for the presentation (in English)
- Reasonably, the workshop will be held the last week of the course (7-9 June)
  - Depending on the number of registration
- Other workshops will be held in September 2017 / February 2018
News

- Thematic Workshop program: see the file
- 10 minutes (strict!)
- Suggested structure of the talk:
  - Introduction to the problem
  - Main idea (no formulas!) together with the advance with respect to previous works
  - Some results and discussion
- Office hours for questions: Wednesday 31: 9-12