Master AIC - Master D&K - Image Understanding

Isabelle Bloch

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Course on Friday morning, 9am-12:15am, PUIO building.

Pedagogy: courses with examples taken from various domains + individual or group work on articles.

Web: http://perso.telecom-paristech.fr/bloch/AIC/OptionsImage.html

Course material on this page (regularly updated).

Exam:
- synthesis work from articles with an oral presentation (group work),
- written exam (analysis of an article, driven by questions related to the course).
Participants:

- Isabelle Bloch (LTCI, Télécom ParisTech)
- David Filliat (ENSTA ParisTech)
- Céline Hudelot (Centrale Supelec)
- Antoine Manzanera (ENSTA ParisTech)
- Florence Tupin (LTCI, Télécom ParisTech)
23/11: Introduction - Information, data and knowledge in image understanding - course overview (Isabelle Bloch)

30/11: Structural representations: graphs, and graph based image understanding (Florence Tupin)

7/12: Recognition of structures in images and scene understanding based on models, spatial reasoning (Isabelle Bloch)

14/12: Presentation of the work on articles by the students (Isabelle Bloch)

11/1: Action models - Descriptors and mining (Antoine Manzanera)

18/1: Structural representations of knowledge: ontologies, semantic networks, and associated reasoning methods (Céline Hudelot)

1/2: Image understanding for robotics (David Filliat)

15/2: Written exam