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

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

Web: https://perso.telecom-paris.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)
Program

- Introduction - Information, data and knowledge in image understanding - course overview (Isabelle Bloch)
- Structural representations: graphs, and graph based image understanding (Florence Tupin)
- Recognition of structures in images and scene understanding based on models, spatial reasoning (Isabelle Bloch)
- Structural representations of knowledge: ontologies, semantic networks, and associated reasoning methods (Céline Hudelot)
- Action models - Descriptors and mining (Antoine Manzanera)
- Image understanding for robotics (David Filliat)

Exam in two parts:

- Presentation of the work on articles by the students
- Written exam