



**IMT Atlantique**

Bretagne-Pays de la Loire  
École Mines-Télécom

Département  
Automatique  
Productique  
Informatique

Parcours Informatique et data

TAF OASIS - MAORI

# UE E: Cas d'Application : Décision, Optimisation et Responsabilité

## Contenu :

- Prise de recul sur les approches issues des sciences et technologies
- Notion de responsabilité dans la prise de décision et les liens entre décision et notion d'optimisation
- Travail collaboratif sur cas d'étude

## Mots clefs :

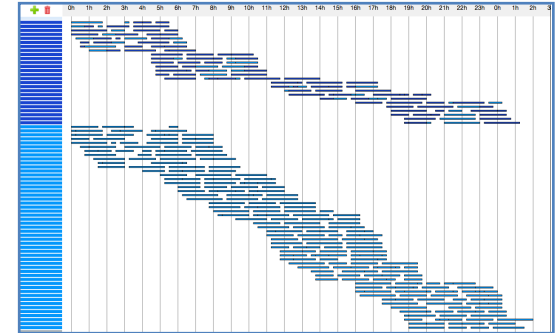
Interdisciplinarité, Prise de recul, modélisation, Étude de cas, SHS

**Odile Bellenguez**

**Sarah Ghaffari**

**Gilles Simonin**

**Charles Prud'homme**



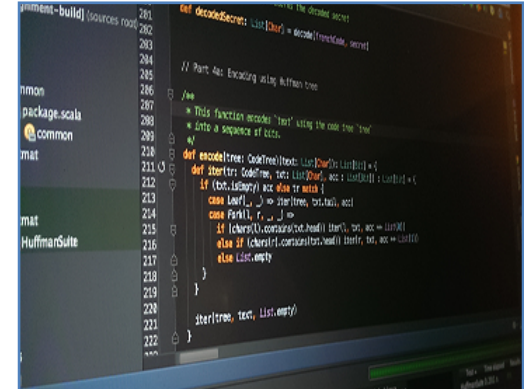
# UE F: Inférences

## Contenu :

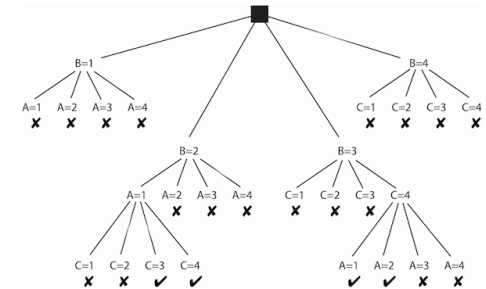
- I.A. et problèmes de satisfaction de contraintes
- Réseaux Bayésiens
- Programmation par Contraintes sur Cas réel

## Mots clefs :

I.A., P.P.C, Réseaux Bayésiens, algorithmes, propagation, analyse



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281 // Part 4b: Encoding using Huffman tree
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288 // This function encodes "text" using the code tree "tree"
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Romuald De Bruyne

Arthur Godet

Philippe Leray



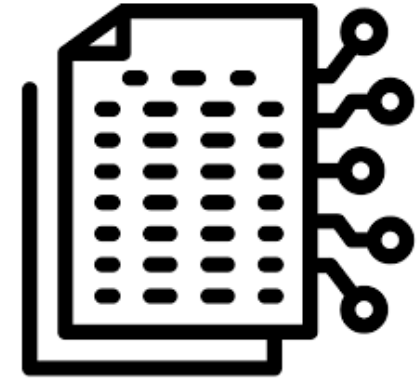
# UE E: Data driven optimisation

## Contenu :

- Processus de décision markoviens
- Processus de décision basés sur les données
- Intégration des approches d'apprentissage machine et des techniques d'optimisation

## Mots clefs :

- Processus de décision markovien
- Apprentissage machine
- Analyse de données



**Guillaume Massonnet**