

Université Paris-Saclay

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M2 Multimedia Networking

Master's degree

Specialisation Electrical Engineering

Language(s) of instruction

English

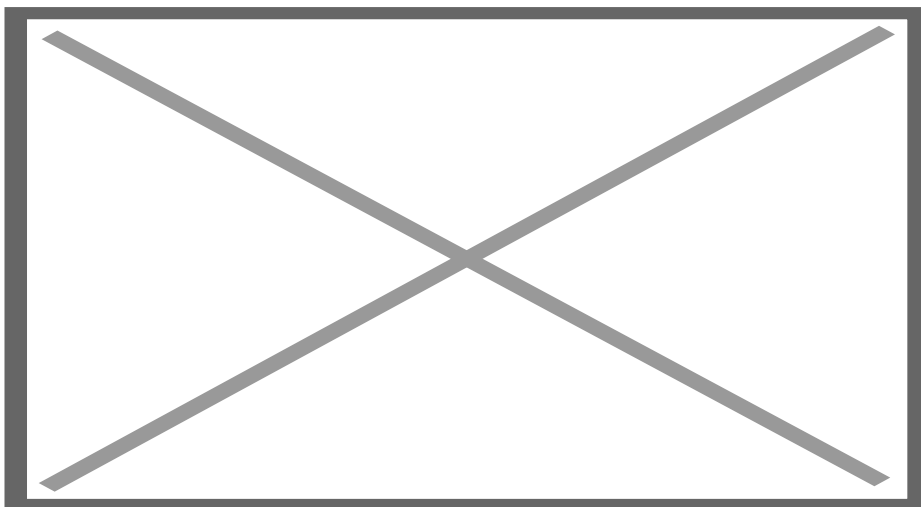
<https://www.universite-paris-saclay.fr/en/education/master/electrical-engineering/m2-multimedia-networking#presentation>

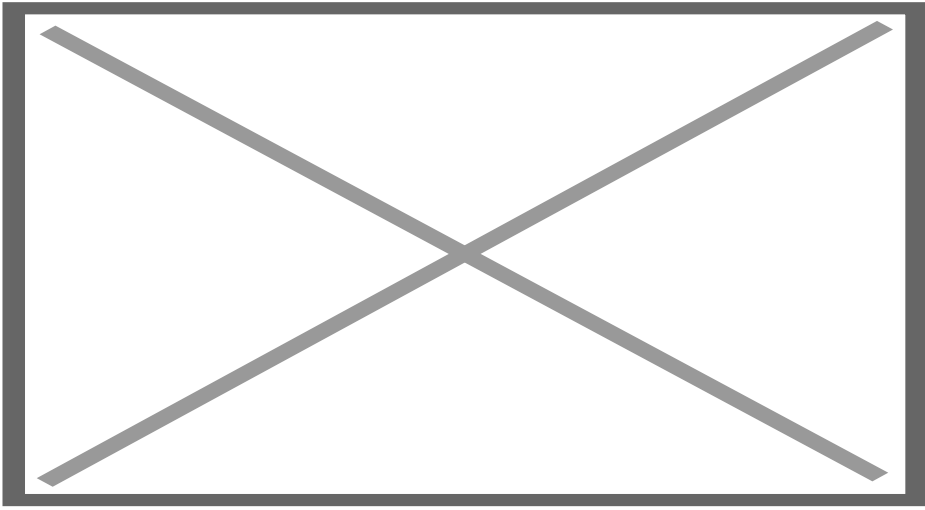
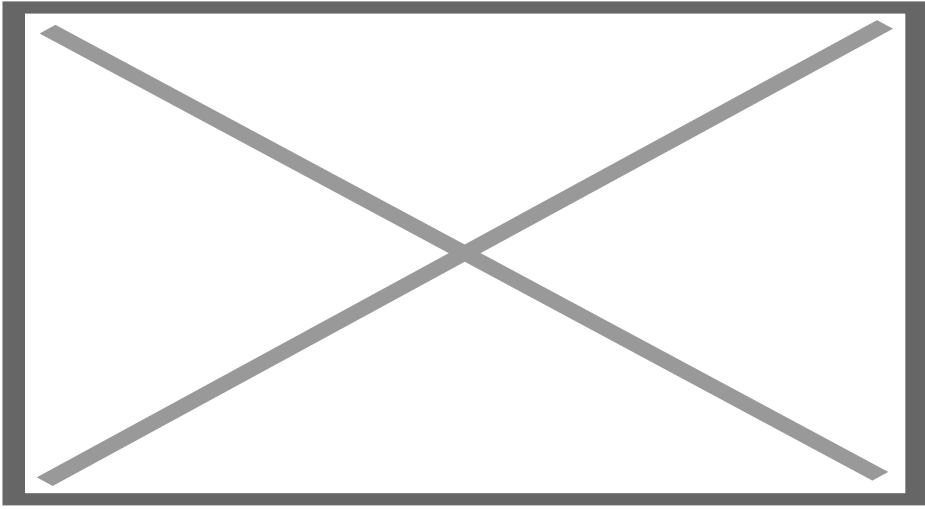
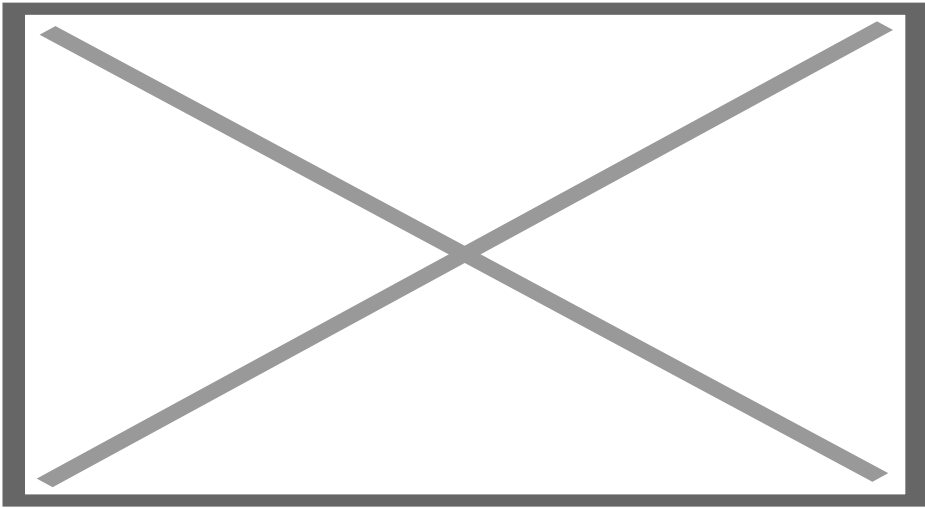
The aim of this research-oriented program is to train students to carry out research on topics related to the compression of multimedia content, the transmission of this compressed data over a network, and the development of algorithms and network architectures for fast, reliable and efficient access to this content.

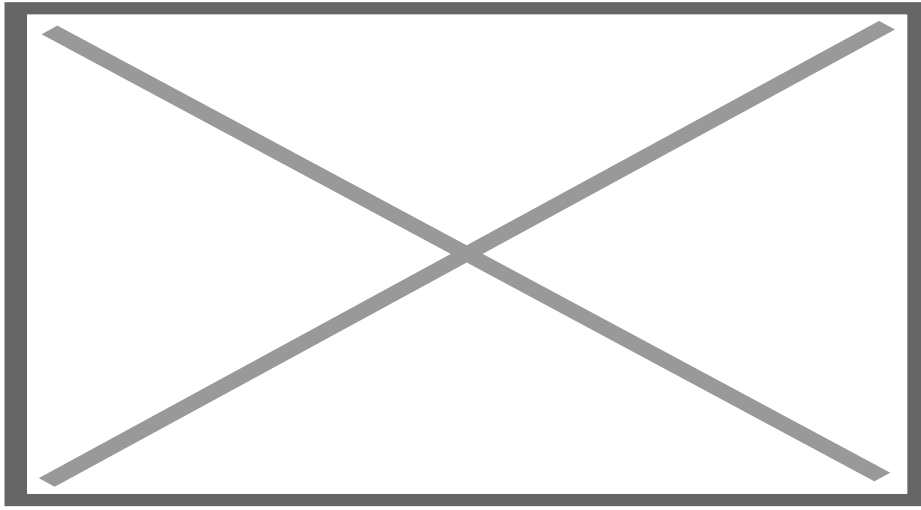
This program offers fundamental training in information theory, compression, signal processing for multimedia, networks and content security. A significant part is devoted to techniques for optimising architectures for the transmission of audio-visual content. Deep learning tools for compressing, transporting and processing multimedia content are also presented.

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Information

- [Overview](#)
- [Application requirements](#)
- [Schedule](#)

Présentation

Skills

Conduct a bibliographic research on a research topic.

- Formalise a research problem.
- Apply theoretical knowledge in order to offer a solution to a research problem.
- Design simulations / experiments to highlight the performance of the solution offered.
- Demonstrate critical thinking about competing solutions and the solution offered.
- Write a review article in English presenting a bibliography, describing a problem, solutions offered and experiment results, and present this work in English.

Objectives

Audiovisual information plays an increasingly important role in our environment. Smartphones, tablets and augmented reality glasses equipped with increasingly powerful cameras and displays enable us to send and receive information via wireless networks, share content on community sites and receive geographically-related information.

Débouchés

Career prospects

design study engineer

Research or Design Engineer

Research & Development Engineer

Further Study Opportunities

fields of statistical learning, artificial intelligence and advanced data analysis

Engineering, research and development

Students with a 2nd year Master's degree have the possibility to pursue doctoral research.

PhD thesis

Calendar

Start of programme (indicative date)

14/09/2026

End of programme (indicative date)

30/09/2027

Admission

Capacity

Available Places

25

Target Audience and Entry Requirements

Master's degree (Bac+4) at the time of application with prerequisites in signal processing and networks.

Période(s) de candidature

Inception Platform

From 01/02/2026 to 30/06/2026

[Charger le détail](#)

[illegible]

Subjects	ECTS	Semester	Lecture directed study	practical class	Lecture/directed study	Lecture/practical class	directed study/practical class
Joint project and Seminar ■	3	Semestre 2	6				
Charger le détail Multimedia security: advanced methods ■	3	Semestre 2	24		3		
Charger le détail Reinforcement Learning for Multimedia Applications ■	3	Semestre 2	21		6		
Charger le détail Audio-Visual transport (principles, protocols and advanced techniques) ■	3	Semestre 2	21		6		
Charger le détail Advanced compression techniques ■	3	Semestre 2	21		3		
Charger le détail Deep Learning for Multimedia ■	3	Semestre 1	24		0		
Charger le détail UE libre ■	3	Semestre 2	27				
Charger le détail							

Teaching Location(s)

ORSAY
PALAISEAU

Academic Partner(s)

IP Paris

Contact

- **Mihai Mitrea**
- **Sahar Hoteit**

<http://www.universite-paris-saclay.fr/formation/master/electronique-energie-electrique-automatique/m2-multimedia-networking>