

# “Graph-based modeling and optimization of urban mobility”

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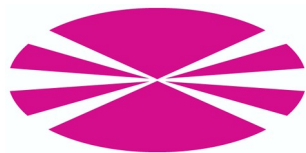
**Organised by:** Language and Information Society (LYS) Group ([www.grupo lys.org](http://www.grupo lys.org))

**Date:** Friday, April 4th, 2025

**Time:** 11:30 am

**Place:** Aula de Graos (FIC)

**Abstract:** Graphs are a powerful tool for representing complex relationships, thanks to their inherent ability to model, visualize, and analyze intricate connections between data. This seminar will explore the use of graphs for modeling mobility data, demonstrating how real-world examples of road networks, footways, cycleways, and public transport systems can be represented. The seminar will showcase how graph modeling enables advanced analysis of transportation networks and the development of solutions for multi-modal routing.



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