



dilluns, 05 d'octubre de 2026

Ponència. New Pathways into Distance-Biregular Graphs

Informació de l'esdeveniment

Lloc:

Aula 2.02 EPS

Adreça:

Campus capponet

Jaume II, 69

Preu:

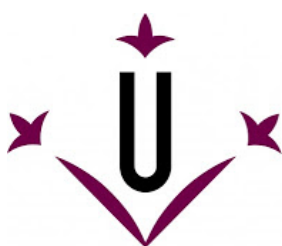
Activitat gratuïta

Organitza:

Grup de Criptografia i Grafs

Inici:

05 de d'octubre de 2026



Descarregar imatge

Universitat de Lleida
Grup de Recerca
Criptografia i Grafs

L'Escola Politècnica Superior (EPS) de la Universitat de Lleida acollirà el proper dilluns 5 d'octubre la visita del professor Blas Fernández de la University of Primorska, koper, Slovenia, que impartirà el seminari *New Pathways into Distance-Biregular Graphs*.

Abstract:

Distance-biregular graphs are a natural bipartite analogue of distance-regular graphs. Despite their close connection with one of the central classes in algebraic graph theory, they remain comparatively poorly understood: only a limited number of families are known, and, until recently, no general method for constructing new examples was available. In this talk, we introduce the notion of 2 - Y -homogeneity for distance-biregular graphs. We discuss the classification of all 2 - Y -homogeneous distance-biregular graphs, extending several results known for distance-regular graphs. The classification yields new families and reveals strong structural consequences. In particular, 2 - Y -homogeneity provides a systematic framework for the study and construction of new distance-biregular graphs.



Dilluns 5 d'octubre de 2026, a les 12.00 h
Sala 2.02 de l'EPS – Campus de Cappont