ALAMA 2024
Linear Algebra, Matrix Analysis and Applications

12-14 june 2024
University of Oviedo
Gijón (Asturias)

Wednesday, June 12th. Session 2.

	A2 ROOM	A3 ROOM	A4 ROOM
	Minisymposium I: Structured matrices and high relative accuracy **Chair: Jorge Delgado**	Minisymposium II: Algebraic methods for the recovery, correction and security of digital information **Chair: Noemí DeCastro**	Parallel Session III **Chair: Luca Bergamaschi**
15:30-15:50	*Accurate computations with Newton bases* **Esmeralda Mainar**	*Flag codes and consistency with their projected codes* **Miguel Ángel Navarro-Pérez**	*Spectral analysis of block preconditioners for double saddle point linear systems with application to PDE-constrained optimization* **Luca Bergamaschi**
15:50-16:10	*An algorithm for constructing Jacobi sign regular matrices of order n* **Antonio Palacio**	*Goppa codes. Geometric aspects and enumerative problems* **Ángel Luis Muñoz**	*Clustering/Distribution analysis and preconditioned Krylov solvers for the approximated Helmholtz equation and fractional laplacian* **Andrea Adriani**
16:10-16:30	*Total positivity and high relative accuracy for Kac-Murdock-Szegö matrices* **Jorge Delgado**	*A convolutional variant with GRS codes for the McEliece cryptosystem* **Paulo Almeida**	*Improving performance of contour integral-based nonlinear eigensolver with infinite GMRES* **Yuqi Liu**
16:30-16:50			*Approximate Inverse LU preconditioning applied to least squares problems* **José Mas**

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