



Contribution ID: 29

Type: **Talk**

Recent developments in multiterm matrix equations solvers

Monday 26 May 2025 16:00 (30 minutes)

The efficient solution of large-scale multiterm linear matrix equations is a challenging task in numerical linear algebra, and it is a largely open problem. The topic has attracted great interest within the numerical community in the past decade, thanks to the applicability of linear matrix equations in a growing number of applications.

In this talk we will discuss recent developments in different directions, from the use of effective randomized strategies to subspace-rich algorithms that conveniently leverage the problem structure.

This talk is partially based on collaborations with Martina Iannacito, Davide Palitta, Marcel Schweitzer and Yihong Wang

Author: SIMONCINI, Valeria (Universita di Bologna)

Presenter: SIMONCINI, Valeria (Universita di Bologna)

Session Classification: Talks