NUMTA 2023 Special Session on

Recent trends on ODEs methods, low-rank approximations,
and image-processing techniques

Special Session Organizers:

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The aim of this special session is to bring together researchers working on different aspects related to numerical methods for Differential Equations, low-rank approximations, and image-processing techniques. Many of the tools used for the considered topics can be applied as well to enhance the solutions of other ones. For example, some image processing techniques are based on the solution of differential problems and can be improved by low-rank approximations. The latter can be a powerful tool to optimize methods for the solution of differential equations.

The session has a general purpose, and it is not required to already have an algorithm that necessarily connects the three topics. Contributions from interested speakers are welcome.