



Numerical Analysis and Algorithms for High-Performance Computing

Guest Editors:

Dr. Shengguo Li

Prof. Dr. Xiaoqiang Yue

Dr. Xuguang Chen

Dr. Tiaojie Xiao

Deadline for manuscript
submissions:

31 March 2025

Message from the Guest Editors

In recent years, high-performance computing has become increasingly essential in various domains, including scientific simulations, electromagnetic computation, structural mechanics, engineering, data analytics, and artificial intelligence. Topics of interest for this special issue include, but are not limited to:

1. Numerical methods for high-performance computing
2. Parallel and distributed algorithms
3. Optimization techniques for numerical computation
4. Sparse and structured linear algebra
5. Parallel algorithms for electromagnetic computation
6. Parallel algorithms for structural mechanics
7. Machine learning algorithms for high-performance computing
8. Multigrid and Domain Decomposition algorithms
9. Parallel-in-time (PinT) algorithms

We invite researchers and practitioners to submit original research papers, review articles, and case studies that address the challenges and opportunities in numerical analysis and algorithms for high-performance computing. Submissions should present novel contributions, theoretical insights, experimental results, or practical applications relevant to the special issue's theme.





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Editor-in-Chief

Prof. Dr. Francisco Chiclana
School of Computer Science and
Informatics, De Montfort
University, The Gateway,
Leicester LE1 9BH, UK

Message from the Editor-in-Chief

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Mathematics Editorial Office
MDPI, Grosspeteranlage 5
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