

## Special Issue

# Scheduling and Optimization in Production and Transportation Systems

### Message from the Guest Editors

Production systems and transportation systems are inherently complex due to various complex factors such as various dynamic disruptions, capacity limitations, and large-scale problems. Scheduling plays a crucial role in both production and transportation systems. However, these complex factors make mathematical modeling and obtaining optimal solutions highly challenging, often necessitating a trade-off between computational performance and solution quality. Scheduling and optimization are crucial components in this new industrial paradigm. By leveraging real-time data, advanced analytics, and automation, businesses can achieve unprecedented levels of efficiency, agility, and sustainability. This involves the strategic allocation of resources and the sequencing of tasks to maximize efficiency, reduce costs, and improve overall system performance. Therefore, comprehensive applications of various optimization methodologies hold enormous potential in addressing challenges in production and transportation systems.

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### Deadline for manuscript submissions

31 December 2025



## Systems

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Impact Factor 3.1  
CiteScore 4.1



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