

International Journal of Planning and Scheduling

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Inaugural Issue

Call for Papers

The International Journal of Planning and Scheduling (IJPS) is a peer-reviewed international journal dedicated to promoting original research in the area of planning and scheduling in various fields of application. The journal considers both theoretical and applied research that encompass theoretical advances, new solution methods, modelling, complexity analysis, algorithms, and applications for complex planning and scheduling problems. Most planning and scheduling problems are combinatorial by nature and computationally challenging. Hence, it is very important to design, implement, and execute intelligent planning and scheduling functions to effectively optimise the use of resources for the enterprise to remain competitive.

In the past several decades, the planning and scheduling literature has been dominated by production and manufacturing applications, which remain of vital importance and IJPS especially welcomes papers that revisit the validity of the underlying assumptions upon which production models and methods have been developed. However, with the economies of many industrialised countries transforming into service-based economies, we would like to see submissions that address planning and scheduling problems in this new and global context. IJPS's vision is to be opened to a wide spectrum of original papers from various fields with different perspectives.

It is the goal of *IJPS* to promote and disseminate the latest research in the area of planning and scheduling and to facilitate the fostering and sharing of knowledge among academia, research institutions, government, industry and nonprofit organizations. This first call-for-papers is the first step towards a forum for a lively, interdisciplinary discussion of the entire range of issues surrounding planning and scheduling. The specific objectives are achieved through original publications that support one or more of the following major research thrusts:

- **Presenting new and innovative models and methods:** *IJPS* encourages papers that introduce new and innovative models that redefine planning and scheduling problems and put them in the modern enterprise context. Innovative research on solution methods for established models certainly remains of interest, and submissions from all areas of methodology are welcome.
- **Bridging the gap between theory and practice:** *IJPS* encourages papers that contribute to bridging the gap between theoretical and applied research – helping practitioners utilise the latest developments in solving real-world problems and helping academics become aware of such problems and their context.
- **Taking interdisciplinary approaches:** *IJPS* encourages papers that highlight the interfaces among areas of operations research, information technology, artificial intelligence, and computer science.
- **Improving the education process:** *IJPS* encourages papers that promote educational aspects of planning and scheduling, with space devoted to reviews of teaching materials and to rigorous papers on the implementation and assessment of innovative teaching techniques.

IJPS covers a wide range of planning and scheduling topics. The following list includes some of the most common topics; however, additional topics can also be considered:

1. Planning and scheduling for supply chains, production, manufacturing and maintenance
2. Planning and scheduling in services, healthcare, aerospace, and the military
3. Project scheduling
4. Intelligent and autonomous planning and scheduling

5. Planning and scheduling in uncertain (stochastic or fuzzy) environments
6. Simulation-based, agent-based and constraint-based planning and scheduling
7. Spatial scheduling
8. Routing
9. Distributed planning and scheduling
10. Rescheduling and robust planning and scheduling
11. Planning and scheduling for traditional and clean energy systems
12. Real-time and dynamic planning and scheduling
13. Timetabling and workforce planning and scheduling
14. Planning and scheduling software systems
15. Educational aspects of planning and scheduling

Submitted papers must not have been previously published nor are currently under consideration for publication elsewhere. All papers are refereed through a rigorous double blind process. A guide for authors, sample copies and other relevant information for submitting papers are available on the [Submission of Papers](http://www.inderscience.com) web-page at <http://www.inderscience.com>.

If you experience problems submitting your paper online, please contact submissions@inderscience.com. Please include in your email the title of the Journal.

Important Dates

Manuscript Due:	April 1, 2011
First Round of Reviews:	June 1, 2011
Expected Publication Date:	Fall 2011

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