



Mathematical Problems in Engineering

Special Issue on

Flow Shop Scheduling Optimization and Flow Shop Performance Analysis

CALL FOR PAPERS

Since the publication of Johnson's seminal paper in 1954, interest in various approaches, tools, and techniques to solve flow shop scheduling problems (like mathematical programming, combinatorial optimizing techniques, constraints-based reasoning and optimization, heuristics methods, genetic algorithms, evolutionary heuristics, neural networks, heuristic programming, and expert systems) and performance analysis (like exact evaluation or approximate evaluation using decomposition or aggregation method) continues to grow. This special issue will provide the advantage of grouping together high-quality papers in the mathematical theory and analytical methods of flow shop scheduling and performance analysis in the service and manufacturing environments.

Potential topics include, but are not limited to:

- ▶ Comprehensive reviews that present an integrative view of the past and present contributions in solving flow shop scheduling problems, algorithm, and performance analysis reflection on the future research needs
- ▶ Recent developments in flow shop scheduling and performance analysis, and their integration with other production planning and control, information technology, and management sciences tools and techniques
- ▶ Identification and solution of flow shop related scheduling problems and performance analysis that provide integrative viewpoints of lot-sizing, supply chain management, e-commerce, and related emerging trends in industry
- ▶ Development of appropriate mathematical solution algorithms for solving flow shop scheduling problems either in service or in manufacturing sectors and associated algorithm and performance analysis
- ▶ Description and evaluation of software packages available to solve flow shop scheduling problems and performance analysis

Authors can submit their manuscripts via the Manuscript Tracking System at <http://mts.hindawi.com/submit/journals/mpe/fspa/>.

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