CALL FOR PAPERS

FLEXIBLE SERVICES AND MANUFACTURING
FORMERLY: INTERNATIONAL JOURNAL OF FLEXIBLE MANUFACTURING SYSTEMS

Special Issue on
Big Data Analytics for Systems Control and Decision Making in Services and Manufacturing

Submission Deadline: March 31, 2015

Almost all companies in service and manufacturing industries are confronted with the challenges for effective decisions induced by big data. While big data is accumulated due to the fully automated manufacturing facilities, logistics, service systems, and e-business for business integration, various solutions and techniques have been developed to extract useful information and derive effective intelligence with advanced decision technologies to address new challenges. By seamless integration of intelligence, modeling, and decision technologies combined recent data mining methodologies, computing power, data management and IT technology, big data analytics have become the trend to empower future service and manufacturing.

This special issue of the Flexible Services and Manufacturing (FSM) Journal aims to address recent developments and empirical studies of big data analytics and related topics and to examine research issues concerned with quantitative and other modeling techniques to improve the decision quality and management effectiveness for service and manufacturing. We are seeking papers that present new research contributions in this field, preferably illustrated by real world examples. Papers for this Special Issue must make a substantial new contribution, and the authors must explicitly show the scientific advances compared to the previously published research literature. Topics include (but are not limited) to areas such as the following:

- Advanced Equipment/Process Control (AEC/APC)
- Big Data Analytics for Manufacturing Innovation
- Big Data Analytics for Service Innovation and Product Design
- Business Analytics and Optimization
- Data Mining for Energy Saving and Green Production
- Data Mining and Real-time Decision
- e-Manufacturing and e-Diagnosis
- Engineering Data Analysis and Data Mining for Yield Enhancement
- Intelligent Corporate Resource Planning & Allocation
- Modeling & Decision Analysis for Service and Manufacturing
- Predictive Maintenance and Tool Health
- Sensor, Mobile and Wireless Applications
- Simulation Optimization
- Empirical Studies of Big Data Analytics and Computational Intelligence
Submission Guideline

Papers must clearly address research issues of Big Data Analytics for Systems Control and Decision Making in Services and Manufacturing. Please submit your paper online via

http://www.editorialmanager.com/flex/

and use “Big Data Analytics” as article type. The target print publication date is Spring 2016. Accepted papers appear on Springer’s webpage prior to print publication.

The submitted papers must not have been previously published or be currently under consideration for publication elsewhere. All papers will be reviewed according to the standards of the FSM journal. We will adopt a rapid and fair review process in order to meet the target publication date. Please feel free to contact the editors with any questions.

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