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**Call for Papers**

**Special Issue of the Journal of Computational Science (Elsevier)**

<http://www.sciencedirect.com/science/journal/18777503>

**Special Issue: "Recent advances and future trends in city logistics"**

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The Journal of Computational Science welcomes the submission of original contributions for its Special Issue "Recent advances and future trends in city logistics".

All contributions will be peer reviewed.

**(\* Important Dates:**

Call for papers: January 2011

Deadline for expression of interest: 20 April 2011

Notification of intent to proceed: 15 May 2011

Deadline for paper submission: 10 July 2011

Notification of acceptance: 5 October 2011

Final manuscript due: 5 December 2011

Publication of special issue: 2012

**(\* Overview**

Over the last decades, the quantitative analysis of problems linked to logistics and transport has increased in relevance and complexity. However, the last link of the supply chain, the so-called "last mile", has not benefitted from the widespread introduction of quantitative approaches, despite the complexity of the involved processes.

City logistics seeks to improve the final delivery of goods to customers, whether they be individuals, retailer shops or other businesses, located in urban areas. With respect to other logistics problems, more present in the literature, the planning of urban freight distribution often has to face difficulties related to the degree of uncertainty in the conditions under which it operates. This uncertainty appears in the dynamic characteristics of urban traffic congestion, the difficulty of finding parking spaces, the access restrictions imposed by local regulations, etc. This calls for the introduction of innovative processes and technologies, simulation techniques or optimization models, specifically designed to represent the characteristics of urban freight transport.

This special issue focuses on the computational advances oriented towards better understanding, planning and implementing city logistics. The objective is to disseminate the quantitative tools developed by researchers to model or simulate urban freight transport, to assess the effect of policies or best practices, to optimize vehicle routing or scheduling, to implement new technologies in the system or to reduce its environmental impact.

**(\*) Topics**

Relevant topics for the special issue would include, but would not be limited to, the following:

- Urban freight transport simulation
- Agent-based modelling in city logistics
- Impact of new traffic control technologies
- Tracking and tracing
- Intelligent transport systems
- Dynamic modelling
- Sustainability-oriented developments
- Routing and scheduling
- Application of soft computing techniques
- Impacts of e-commerce in urban freight deliveries
- Evaluation of pricing policies
- Behavioural models and estimations

**(\*) Instructions for Submission of Papers**

The journal welcomes original, unpublished high quality contributions in the field of computational science at large, addressing one or more of the aforementioned elements. All manuscripts and any supplementary material should be submitted via the journal's online submission and peer-review systems at <http://ees.elsevier.com/jocs>. Please follow the instructions given on this site.

**(\*) Guest Editors**

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