



Call for Papers

Special issue on OR approaches dedicated to routing problems in the Internet

The internet has been the subject of an extremely rapid evolution both in terms of increasing traffic volumes and more advanced services, to be supplied at the lowest possible cost and with some degree of quality of service (QoS) satisfaction. This has also been made possible by the development of new technological platforms. An essential element of these trends is the necessity of developing more advanced routing mechanisms capable of guaranteeing, on the one hand, the required QoS levels and, on the other hand, some form of optimization of the available network resources.

The major objective of this special issue of *ITOR* is to gather state-of-art research papers putting in evidence the great OR potentialities in this field. Articles on theoretical, methodological and application aspects will be welcome and the deadline for submissions is 31 December 2008.

Topics for this special issue include (but are not limited to):

- QoS routing models/multi-constrained optimization path problems
- Multipath routing optimization models
- Multicriteria routing models
- New OR tools related to the internet routing challenges

Each paper will be peer-reviewed according to the editorial policy of *ITOR* (<http://www.blackwellpublishing.com>), published by the International Federation of Operational Research Societies – IFORS. Papers should be original, unpublished, and not currently under consideration for publication elsewhere. They should be prepared according to the instructions to authors that can be found at the journal homepage.

Authors are strongly encouraged to send their submissions in electronic form (preferably a PDF file). Submissions and other inquiries should be sent directly to any of the Guest Editors in charge of this issue: João Clímaco (jclimaco@inescc.pt) and José Craveirinha (jcrav@deuc.uc.pt).