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# Advanced freight transportation systems for congested urban areas

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### Abstract

Urban freight transportation constitutes both an extremely important and a rather disturbing activity. Increasingly, one observes efforts to measure and control freight movements within city centers. We introduce a possible organizational and technological framework for the integrated management of urban freight transportation and identify important associated planning and operation issues and models. We then describe a formulation for one of these problems, the design of the proposed logistical structure, and discuss algorithmic and implementation issues. Our model city and challenge is Rome.



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## Keywords

Urban freight transportation; Integrated planning and management; City logistics; System design; Location and allocation

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