

ILS

Information Systems,
Logistics and
Supply Chain



THEMATIC SESSION: TS11

Title of the thematic session: Sustainable Management of Retailing Urban Transport

Conference associated Topic: Smart and durable City Logistics

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Abstract: A great amount of problems represent important challenges for strategic sectors in any developed country such as industry and services, especially in retailing, related to the sustainable management and transport in urban areas. Some constraints may appear in the routes, delivering times, warehouse capacity... The main topics of interest around this kind of problems are Routing problems; Assignment problems; System Reliability & Availability problems; Environmental Sustainability, among others. At the same time, the development of new hybrid algorithms and software applications aimed at solving complex realistic challenges such as those associated with those routing or reliability/availability problems is emerging. Applications to real-life scenarios or decision-support systems may combine knowledge from different areas such as Computer Science, Operations Research and Applied Mathematics (i.e. Parallel Programming, Hybrid Algorithms or Modelling & Simulation).

Keywords: *Routing, Reliability, Sustainability, Operations Research.*

