Mathematical Models and Algorithms in Distribution Management

by

Gilbert Laporte Centre for Research on Transportation, MOntreal

The development of sophisticated mathematical models and their solution by means of powerful algorithms have led in recent years to major advances in the fields of logistics and distribution management. The celebrated Traveling Salesman Problem and the Vehicle Routing Problem lie at the core of these fields. In this talk, the speaker will review some recent modeling and algorithmic developments in the area of vehicle routing. Some emphasis will be put on branch-and-cut algorithms and on metaheuristics.