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POSTDOCTORAL POSITION IN SERVICE NETWORK DESIGN FOR CITY LOGISTICS

CIRRELT, Montreal, Canada

A postdoctoral fellow position in "Service Network Design for City Logistics" is opened at CIRRELT - the Interuniversity Research Centre on Enterprise Networks, Logistics and Transportation - and University of Quebec in Montreal, Canada.

The postdoctoral fellows will work closely with Professors Teodor Gabriel Crainic and Walter Rei to address planning challenges for multi-tier hyperconnected large-scale city logistics systems. Modelling challenges rise from the interactions of various forms of collaboration and resource-sharing mechanisms, a large range of interacting transportation modes, multi-commodity and multi-directional demand for transportation and short-term warehousing, time dependencies of demand, resources, and activities, synchronization requirements, and uncertainty. Models involving network design and vehicle routing concepts appear suitable, the resulting large-scale formulations raising significant algorithmic challenges.

The postdoctoral project will start as soon as possible in 2020, for a duration of 12 months, renewable.

QUALIFICATIONS

PhD in operations research, with particular qualifications in combinatorial optimization, network design and vehicle routing in particular, and good programming skills.

Highly desirable: Understanding of freight transportation and knowledge of parallel computation.

Strong skills in English scientific writing are a pre-requisite.

Knowledge of French, or willingness to learn, would make life in Montreal even more enjoyable.

CONTACT

Applicants should e-mail a complete Curriculum Vitae (including the contact information for at least two references) to Teodor Gabriel Crainic, TeodorGabriel.Crainic@cirrelt.net, or Walter Rei, rei.walter@uqam.ca.

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