

Concordia Institute for Information Systems Engineering

**THE CONCORDIA INSTITUTE FOR INFORMATION SYSTEMS
ENGINEERING
IS PLEASED TO PRESENT THE FOLLOWING GUEST LECTURE IN
OUR CIISE DISTINGUISHED SEMINAR SERIES**

Dr. Teodor Gabriel Crainic, Professor
UQAM, Montréal

A brief and partial tour of City Logistics

City Logistics aims to reduce the nuisances associated to freight transportation in urban areas while supporting their economic and social development. The fundamental idea is to view individual stakeholders and decisions as components of an integrated logistics system. This implies the coordination of shippers, carriers, and movements, as well as the consolidation of loads of several customers and carriers into the same environment-friendly vehicles. City Logistics explicitly aims to optimize such advanced urban transportation systems. The first part of the seminar is dedicated to an overview of City Logistics concepts, models, and applications addressing, in particular, feasibility and sustainability issues. The second part targets planning issues and presents recent work on tactical planning for two-tier City Logistics systems, which appear appropriate for large cities.

Biography: Teodor Gabriel Crainic is Professor of Operations Research, Transportation, and Logistics and the NSERC Industrial Research Chair in Logistics Management at the School of Management of the Université du Québec à Montréal, Montreal, Canada. He is also Adjunct Professor at the Department of Computer Science and Operations Research of the Université de Montréal, Montreal, Canada, and the Institute of Economics of Molde University, Molde, Norway. Professor Crainic is senior scientist at CIRRELT, the Interuniversity Research Center for Enterprise Networks, Logistics and Transportation, and Director of its Intelligent Transportation Systems Laboratory. Professor Crainic obtained his Ph.D. in Operations Research at the Université de Montréal in 1982. Since then, his research interests are in network, integer, and combinatorial optimization, meta-heuristics, and parallel computation applied to the planning and management of complex systems mainly in transportation, logistics, and telecommunication, including Intelligent Transportation Systems and electronic business and market design. He authored or coauthored some 160 scientific articles. He also gave 30 plenary presentations and tutorials at international conferences, over 520 presentations at scientific conferences, and over 115 invited talks at universities and organizations around the world. He coauthored STAN, a method and software for strategic planning of multimodal multicommodity transportation systems used by planning institutions in several countries, and a combinatorial e-auction mechanism for transportation markets. Professor Crainic is Associate Editor for Transportation Science and Transportation Research Part C: Emerging Technologies, Area Editor “Parallel Computing” for the Journal of Heuristics, and serves on several other editorial boards. He co-founded the TRISTAN (Triennial Symposium on Transportation Analysis) and Odysseus (International Workshop on Freight Transportation and Logistics) series of international meetings. He is President of the Transportation Science and Logistics Society of INFORMS (2010). He received the 2006 Merit Award of the Canadian Operational Research Society and has been a member of the Royal Society of Canada since the same year.

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16:00

