



Challenging Logistic Problems in Natural Resources

Abstract : Natural Resources include renewables such as forests, agriculture and water, as well as non-renewables such as minerals and fossil fuel. Each area has its own value chain that is managed through complex adaptive systems driven by socio-economical, technological and environmental forces, and are driven by many interconnected public and business interests. The areas has many characteristics in common, for example, large volumes, large geographical areas, many companies, large values, many stakeholders, and multiple conflicting objectives. This results in many challenging logistics planning problems. In this presentation, we outline a set of applications and describes how advanced analytics and optimization can be used to tackle them. The applications comprise of collaboration, transportation, routing, and value chain management in all areas in natural resources.

Biography: Mikael Rönnqvist is a professor in industrial engineering at Université Laval (Département de génie mécanique). He currently holds a Canada Research Chair (tier 1) in Operations Research in Natural Resources. He is a member of the research organisations/networks FORAC, CRDM and CIRRELT. His research interests are in the areas of industrial and practical use of Operations Research. He has been involved in the development of many industrial decision support systems based on optimization, in particular in the forest industry. Professor Rönnqvist completed his Ph.D. in optimization at Linköping University (Sweden) in 1993. He has held academic positions in Sweden, New Zealand, Norway and Canada.

Lien pour participer à cette activité virtuelle :

<https://ulaval.zoom.us/j/64165330490?pwd=VkNGM0ppNno1SWQ0ZVhKckdWUjJ3QT09>

ID de réunion: 641 6533 0490 Code secret: 338498

Le mardi 22 juin 2021
à 15h00

Ouvert à tous
Activité en anglais

Responsable
Nadia Lehoux

