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Keynote Speech (IV)

Some Challenges on Integration of Decisions in Logistics

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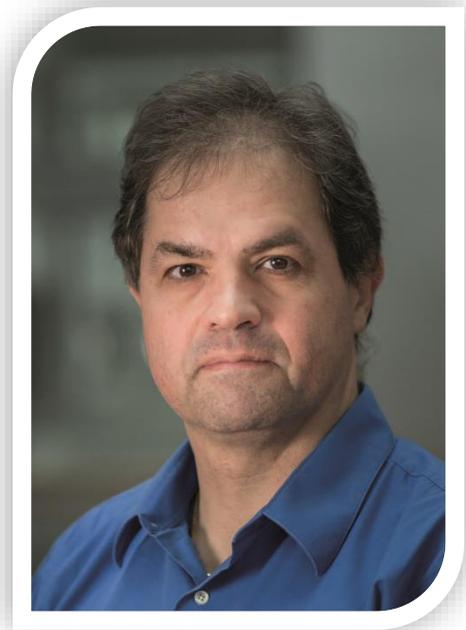
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Abstract—In this talk, we first present the notions of horizontal integration and vertical integration of decisions in logistics, with their main characteristics and motivations. Challenges related to each integration type are then discussed using examples based on academic and industrial research conducted by the author. The integration of decisions in production planning and scheduling and a railway transportation example are discussed for vertical integration. A production planning and vehicle routing problem and a maritime supply chain example are presented for horizontal integration.

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