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Presentation title:

DESIGN OF SNOW PLOWING AND DEICING ROUTES FOR URBAN WINTER VIABILITY: ADDRESSING ACTUAL OPERATIONAL CONSTRAINTS

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Summary:

In the last decades, winter maintenance has undergone a process of change mainly due to growing environmental and socioeconomic concerns. In many cases, the process of designing snow plowing and de-icing routes remains mainly manual because of the implicit complexity of the operations. Recent developments in mathematics have brought new tools capable of better handling theoretical problems. However more research is needed to address real life problems. In this communication, we present algorithms and tools that were developed to take into account many practical operational constraints.

