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Séminaire conjoint CIRRELT, FORAC et Réseau stratégique VCO (Value Chain Optimization)

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PRODUCTION PLANNING AND OPTIMIZATION CONCEPTS IN THE TIMBER INDUSTRY

Abstract: As a result of the competition for wood as raw material it is essential to optimize the timber production to maximize the output and gain an advantage over competitors. First, I present an optimization approach to minimizing log yard round wood transportation time for a hardwood sawmill. Simultaneously taking into account the log transportation time, storage capacity, and yard crane deployment an optimal assignment of ejection boxes, storage boxes and feeding carriages can be found.

And second, different methods to optimize the sawmill production planning problem are investigated, while optimally using the allocated resources. We compared different modelling approaches and investigated the effects of one period planning vs. multi period planning or a rolling planning horizon.

VENDREDI

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10h

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Ouvert à tous

Organisateur
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