ALPEN-ADRIA UNIVERSITÄT KLAGENFURT

INVITATION TO THE PRESENTATION ABOUT THE WORK-PLACEMENT

On optimizing the disposition of empty wagons and shift scheduling for train service providers: My work placement at Anexia Internetdienstleistungs GmbH.

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Chaired by Angelika Wiegele | Department of Mathematics

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ABSTRACT

When discussing train punctuality, one rarely considers the complexity of the optimization problem behind ensuring that the trains with the required wagons are at the correct platform on time. One quickly became aware of that complexity during this work placement at Anexia. There are many parameters to consider not only in passenger transport but also in freight transport. Taking all of these into account and ensuring that all trains are on time and that there are as few empty trip kilometers as possible results in an extensive optimization problem. In my presentation, I will give you an overview of this problem, its solution using integer optimization, and which sub-problems I was allowed to work on during my time at Anexia.

We hope to see you there!

