

Research Project

Workforce Scheduling Problems: Combinatorial Optimization Meets Machine Learning

Third-party funded project

Project title Workforce Scheduling Problems: Combinatorial Optimization Meets Machine Learning

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Organisation / Research unit

Departement Mathematik und Informatik / Artificial Intelligence (Helmert)

Department

Departement Mathematik und Informatik

Project Website <https://ai.dmi.unibas.ch/research/>

Project start 03.10.2022

Probable end 02.04.2024

Status Completed

Taking advantage of modern machine learning techniques (especially graph neural networks and reinforcement learning), we propose novel and improved solutions for mixed-integer programming problems (and related combinatorial optimization problems) in the context of workforce scheduling applications.

Financed by

Innovation Promotion Agency CTI

Add publication

Add documents

Specify cooperation partners

ID	Kreditinhaber	Kooperationspartner	Institution	Laufzeit - von	Laufzeit - bis
4662575	Helmert, Malte	Cevher, Volkan	EPFL	01.10.2022	31.03.2024
4662576	Helmert, Malte	Salajan, Dan	Planny SA	01.10.2022	31.03.2024