



## A fast Reoptimization approach for the dynamic technician routing and scheduling problem

Submitted by Christelle Guéret on Mon, 01/01/2018 - 08:20

Titre	A fast Reoptimization approach for the dynamic technician routing and scheduling problem
Type de publication	Chapitre
Type	Ouvrage scientifique
Année	2018
Langue	Anglais
Pagination	347-367
Volume	62
Numéro du chapitre	20
Titre de l'ouvrage	Recent Developments in Metaheuristics
Auteur	Pillac, Victor [1], Guéret, Christelle [2], Medaglia, Andrés-L. [3]
Editeur scientifique	Amodeo, Lionel [4], Talbi, El-Ghazali [5], Yalaoui, Farouk [6]
Editeur	Springer International Publishing
ISBN	978-3-319-58252-8
Mots-clés	Dynamic Vehicle Routing [7], Parallel Adaptive Large Neighborhood Search [8], Technician Routing and Scheduling [9]
Résumé en anglais	The Technician Routing and Scheduling Problem (TRSP) consists in routing staff to serve requests for service, taking into account time windows, skills, tools, and spare parts. Typical applications include maintenance operations and staff routing in telecoms, public utilities, and in the health care industry. In this paper we tackle the Dynamic TRSP (D-TRSP) in which new requests appear over time. We propose a fast reoptimization approach based on a parallel Adaptive Large Neighborhood Search (RpALNS) able to achieve state-of-the-art results on the Dynamic Vehicle Routing Problem with Time Windows. In addition, we solve a set of randomly generated D-TRSP instances and discuss the potential gains with respect to a heuristic modeling a human dispatcher solution.
URL de la notice	<a href="http://okina.univ-angers.fr/publications/ua16575">http://okina.univ-angers.fr/publications/ua16575</a> [10]
DOI	10.1007/978-3-319-58253-5_20 [11]
Collection	Operations Research/Computer Science Interfaces Series
Lien vers le document	<a href="https://link.springer.com/chapter/10.1007/978-3-319-58253-5_20#citeas">https://link.springer.com/chapter/10.1007/978-3-319-58253-5_20#citeas</a> [12]

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Publié sur *Okina* (<http://okina.univ-angers.fr>)