



Sergey KOVALEV

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Rang académique : Associate professor

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BIOGRAPHIE

Sergey Kovalev is Associate Professor at INSEEC. He obtained a Ph.D. degree in industrial engineering in Ecoles Nationale Supérieure des Mines de Saint-Etienne in 2012. In 2013-2014 he worked on the development of optimization support module of the FP7 European Project amePLM - Advanced Platform for Manufacturing Engineering and Product Lifecycle Management. He continues the research on workforce assignment problems studied during this project. He is a specialist in combinatorial optimization, which has practical applications in practically every area of human activity. Most of his research is dedicated to assembly line balancing and scheduling problems applicable in production planning and project management.

INTÉRÊTS DE RECHERCHE

- Management des Opérations

DOMAINE D'ENSEIGNEMENT

- Sciences de Gestion

FORMATION

Diplôme le plus élevé :

2012

Doctorat, Ingénierie et technologie, Ingénierie, Ecole des Mines de St Etienne, FRANCE

PUBLICATIONS SCIENTIFIQUES

Articles classés

KOVALEV, S., I. CHALAMON, A. BECUWE, "Single machine scheduling with resource constraints: Equivalence to two-machine flowshop scheduling for regular objectives", *Journal of the Operational Research Society*, 2023, vol. 0, no. 0, pp. 1-4 (ABDC :A, FNEGE :2, CNRS :2, ABS :3, SJR :Q1)

CHALAMON, I., A. BECUWE, W. OMRI, S. KOVALEV, A. AMRI, "Fostering Innovative Workplace Behaviours through Employee Recognition: The Mediating Role of Helping Behaviour", *Journal of Innovation Economics and Management*, Hiver 2022, vol. 1, no. 37, pp. 177-204

KOVALEV, S., I. CHALAMON, F. J. PETANI, "Maximizing Single Attribute Diversity in Group Selection", *Annals of Operations Research*, 2022, vol. 320, pp. 535-540 (ABDC :A, FNEGE :2, CNRS :2, ABS :3)

HASHEMI-PETROODI, S. E., S. KOVALEV, S. THEVENIN, A. DOLGUI, "Model-dependent task assignment in multi-manned mixed-model assembly lines with walking workers", *Omega: The International Journal of Management Science*, 2022, vol. 113, pp. 102688 (ABDC :A, FNEGE :3, CNRS :2, ABS :3)

GUREVSKY, E., S. KOVALEV, D. KOPELEVICH, S. KOVALEV, M. Y. KOVALYOV, "Integer knapsack problems with profit functions of the same value range", *4OR: A Quarterly Journal of Operations Research*, 2022 (ABDC :B, CNRS :3, ABS :2)

JUSTKOWIAK, J.-E., S. KOVALEV, M. Y. KOVALYOV, E. PESCH, "Single machine scheduling with assignable due dates to minimize maximum and total late work", *European Journal of Operational Research*, 2022, vol. 308, no. 1, pp. 76-83 (ABDC :A*, FNEGE :1, CNRS :1, ABS :4)

KOVALEV, S., I. CHALAMON, S. COLLIGNON, "Minimizing maximum job dependant ergonomic risk", *International Journal of Production Research*, Hiver 2021, vol. 59, no. 1 (ABDC :A)

Autres Articles

KOVALEV, S., S. E. HASHEMI-PETROODI, S. THEVENIN, A. DOLGUI, "Markov decision process for multi-manned mixed-model assembly lines with walking workers", *International Journal of Production Economics*, Janvier 2023, vol. 255, pp. 108661

KOVALEV, S., "Approximation issues of fractional knapsack with penalties: a note", *4OR: A Quarterly Journal of Operations Research*, 2022, vol. 20, pp. 209-216

DOLGUI, A., S. KOVALEV, S. E. HASHEMI-PETROODI, M. KOVALYOV, "Profitability of a multi-model manufacturing line versus multiple dedicated lines", *International Journal of Production Economics*, 2021, vol. 236, pp. 108113

GUREVSKY, E., S. KOVALEV, D. KOPELEVICH, M. KOVALYOV, "Min-sum controllable risk problems with concave risk functions of the same value range", *Networks*, 2021, vol. 79, no. 1, pp. 105-116

KOVALEV, S., E. GUREVSKY, M. KOVALYOV, "Min-max controllable risk problems", *4OR: A Quarterly Journal of Operations Research*, 2020, vol. 19, pp. 93-101

CHEN, X., S. KOVALEV, M. STERNA, J. BŁAŻEWICZ, "Mirror scheduling problems with early work and late work criteria", *Journal of Scheduling*, 2020, vol. 24, pp. 483-487

KOVALEV, S., S. E. HASHEMI-PETROODI, A. DOLGUI, M. Y. KOVALYOV, S. THEVENIN, "Workforce reconfiguration strategies in manufacturing systems: a state of the art", *International Journal of Production Research*, 2020, vol. 59, no. 22, pp. 6721-6744

PETANI, F. J., S. KOVALEV, I. ZAOUI, P. MONTAGNON, "What will (and should) sustainable digital maturity look like in business ecosystems? A Delphi study on the best practices, barriers and regulation of digital transformation", *International Journal of Entrepreneurship and Small Business*, 2020

DELORME, X., S. KOVALEV, A. DOLGUI, M. KOVALYOV, "Minimizing the number of workers in a paced mixed-model assembly line", *European Journal of Operational Research*, 2019, vol. 272, no. 1, pp. 188-194

Articles de valorisation

CHALAMON, I., A. BECUWE, W. OMRI, S. KOVALEV, A. AMRI - "Hôpital : la reconnaissance au travail, l'angle mort du Ségur de la santé" - 2022, The Conversation