



Evgeny Gurevsky

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Department of Computer Science, Université de Nantes

Education

École des Mines de Saint-Étienne, France <i>Center of Industrial Engineering and Computer Science</i> Ph.D. in Industrial Engineering	2008 – 2011
Belarusian State University, Minsk, Belarus <i>Faculty of Mechanics and Mathematics</i> M.S. in Mathematics	2003 – 2008
Lyceum BSU, Minsk, Belarus <i>Speciality «Mathematics»</i> High School Diploma	2003

Research Experience

Université de Nantes, France <i>Operations Research for Production and Logistics Group, LS2N</i> ¹	Associate Prof. / Assistant Prof. 09.2018 – present / 09.2012 – 08.2018
Université d'Avignon, France <i>Operations Research and Optimization Group, LIA</i> ² Tutor : Dr. Boris Detienne	ATER Teaching-Research Fellow 09.2011 – 08.2012
École des Mines de Saint-Étienne, France <i>Operations Research for Industrial Engineering Group</i> Advisors : Pr. Alexandre Dolgui and Dr. Olga Battaïa	Ph.D. Student 10.2008 – 08.2011
Belarusian State University, Minsk, Belarus <i>Operations Research and Algorithms Group</i> Advisor : Pr. Vladimir A. Emelichev	Research Assistant 09.2005 – 08.2008

1. LS2N – Laboratoire des Sciences du Numérique de Nantes.
2. LIA – Laboratoire Informatique d'Avignon.

Teaching Experience

Université de Nantes, France

Department of Computer Science, Faculty of Science and Technology

Associate Prof. / Assistant Prof.

09.2018 – present / 09.2012 – 08.2018

- Robust and Stochastic Optimization M2
- Decision Engineering M1
- Operations Research L3
- Computer Architecture L3
- Algorithmics and Data Structures III L3
- Algorithmics and Data Structures II L2
- Algorithmics and Data Structures I L2
- Programming in Java L2
- Algorithmics and Programming L1
- Databases and Web Programming L1

Université d'Avignon, France

Center of Computer Science

ATER Teaching-Research Fellow

09.2011 – 08.2012

- Algorithmics and Optimization L3
- Data Analysis L3
- Databases L3
- Computer Architecture L1
- Programming in C++ L1

École des Mines de Saint-Étienne, France

Center of Industrial Engineering and Computer Science

Ph.D. Student

09.2009 – 08.2011

- Probability and Statistics L3
- Numerical Methods L3
- Operations Research L3
- Programming in Java L3
- Programming in C L3

Here, L_i (resp. M_i) means the i -th year of a corresponding Licence's (resp. Master's) program.

Research Interests

- Multi-Objective Optimization
- Optimization with Controllable Data
- Robust Optimization and Stochastic Programming
- OR Applications in Production, Manufacturing and Energy

Memberships

- International Society on Multiple Criteria Decision Making (MCDM)
- EURO Working Group «European Chapter on Combinatorial Optimization (ECCO)»
- EURO Working Group on Project Management and Scheduling (PMS)
- French Society of Operations Research and Decision Aid (ROADEF)
- French Society of Automatics, Industrial Engineering and Production (SAGIP)
- French Research Community for Modeling, Analysis and Control of Systems (GDR MACS)
- French Research Community for Operations Research and Decision (GDR ROD)
- French Research Community for Reasoning, Learning and Decision in AI (GDR RADIA)

Awards

- RIPEC C3 Award for Research Excellence from the French Ministry of Education (2022-2025)
- Finalist of the French National Competition for the Best Ph.D. Thesis within GDR MACS (2013)
- Winner of the Russian Open Competition for the Best M.S. Thesis in Mathematics (2008)
- Winner of the Belarusian National Competition for the Best M.S. Thesis in Mathematics (2008)

Invited Talks

- Seminar «Decision Support under Risk», Systems Research Institute, Polish Academy of Sciences. Warsaw (Poland), May 11, 2023.
- Seminar «Aide à la Décision», LAMSADE, Université Paris-Dauphine. Paris (France), February 25, 2020.
- Seminar «Applied Mathematics and Statistics», TUCS, University of Turku. Turku (Finland), October 31, 2016.
- Seminar «Logistic and Production Systems», IRCCyN, École des Mines de Nantes. Nantes (France), June 26, 2015.
- Seminar «Analyse Non Linéaire et Optimisation», LMA, Université d'Avignon. Avignon (France), June 21, 2012.

Research Visits

Polish Academy of Sciences, Warsaw, Poland

Decision Support under Risk Group, Systems Research Institute

May'23 (1 week)

Host : Dr. Dmitry Podkopaev

University of Turku, Finland

Turku Optimization Group, Turku Centre for Computer Science

October'16 (1 week)

Host : Dr. Yury Nikulin

University of Leeds, United Kingdom

Algorithms and Complexity Group, School of Computing

May'16 (1 week)

Host : Dr. Natalia V. Shakhlevich

Current Active Collaborations (6)

At least one jointly authored journal article was published in the last four years and the collaboration is ongoing.

Nadjib Brahim	Professor Dr. hab.	Rennes School of Business, France
Alexandre Dolgui	Professor Dr. hab.	IMT Atlantique, Nantes, France
Mikhail Y. Kovalyov	Professor Dr. S.	UIIP of NASB, Minsk, Belarus
André Rossi	Professor Dr. hab.	Université Paris-Dauphine, France
Rui S. Shibasaki	Assistant Professor Dr.	Université d'Amiens, France
Abdelkrim R. Yelles-Chaouche	Research Fellow Dr.	Mines Saint-Étienne, Gardanne, France

Scientific Animation

Organizing Committee Member.....

- 10th IFAC Conference on Manufacturing Modeling, Management and Control (MIM 2022). Nantes (France), June 22–24, 2022.
- 12th Congress of the French Society of Operations Research and Decision Aid (ROADEF 2011). Saint-Étienne (France), March 2–4, 2011.

Program Committee Member.....

- International Conference «Mathematical Optimization Theory and Operations Research» (MOTOR 2024). Omsk (Russia), June 30 – July 6, 2024.
- International Conference «Mathematical Optimization Theory and Operations Research» (MOTOR 2022). Petrozavodsk (Russia), July 2–6, 2022.
- International Conference «Mathematical Optimization Theory and Operations Research» (MOTOR 2020). Novosibirsk (Russia), July 6–10, 2020.
- 7th International Conference «Optimization Problems and Their Applications» (OPTA-2018). Omsk (Russia), July 8–14, 2018.

Session Chair/Co-chair.....

- Invited session «Production Optimization and Supply Chain Management of Green Hydrogen under Uncertainties» for the Stream «Energy Markets» at the 33rd European Conference on Operational Research (EURO 2024). Copenhagen (Denmark), June 30 – July 03, 2024.
- Two invited sessions «Assembly Line Balancing and Scheduling Problems» at the 10th IFAC Conference on Manufacturing Modeling, Management and Control (MIM 2022). Nantes (France), June 22–24, 2022.
- Invited session «Workforce Scheduling and Line Balancing» for the Stream «Scheduling and Project Management» at the 31th European Conference on Operational Research (EURO 2021). Athens (Greece), July 11–14, 2021.
- Two invited sessions «Workforce Scheduling and Line Balancing» for the Stream «Project Management and Scheduling» at the 29th European Conference on Operational Research (EURO 2018). Valencia (Spain), July 8–11, 2018.
- Invited session for the Stream «Combinatorial Optimization» at the 28th European Conference on Operational Research (EURO 2016). Poznań (Poland), July 3–6, 2016.
- Session at the Workshop «Optimization in Operations Research» (ORO'2013). Nantes (France), December 13, 2013.
- Invited session «Robust Combinatorial Optimization : Challenges, Solution Techniques, and Applications» at the 12th Congress of the French Society of Operations Research and Decision Aid (ROADEF 2011). Saint-Étienne (France), March 2–4, 2011.
- Session «Production Control» at the 5th IFAC International Conference on Management and Control of Production and Logistics (MCPL 2010). Coimbra (Portugal), September 8–10, 2010.

Supervising Experience

Post-Doc (1).....

1. **Xavier Schepler (11.2016 – 08.2017)**
Robust bin-packing with items of uncertain size

Ph.D. Students (5).....

1. **Victor Spitzer (03.2023 – present)**
Optimization of green hydrogen production under uncertainty.
2. **Emmanuelle Amann (02.2023 – present)**
Optimization of La Poste mail sorting plans.
3. **Siwar Arbi (11.2022 – present)**
Bi-objective based measure of scalability for balancing reconfigurable manufacturing systems aiming to optimize their productivity and robustness.
4. **Abdelkrim R. Yelles-Chaouche (11.2018 – 12.2021)**
Decision support tools for the design and dynamic reconfiguration of RMS.
Ph.D. in Industrial Engineering, IMT Atlantique, Nantes, France.
5. **Aleksandr Pirogov (11.2016 – 11.2019)**
Robust balancing of production lines : MILP models and pre-processing rules.
Ph.D. in Computer Science, IMT Atlantique, Nantes, France.

M.S. Students (7).....

1. **Victor Spitzer (6 months, 2022)**
Optimization of green hydrogen production under uncertainty.
M.S. in Computer Science, École Polytechnique, Palaiseau, France.
[ROADEF Prize for the Best M.S. Thesis in OR/DA, completed in 2022 in France.](#)
2. **Wassim Garred (6 months, 2022)**
Balancing of resilient production lines.
M.S. in Industrial Engineering, ENIT, Tunis, Tunisia.
3. **Siwar Arbi (6 months, 2022)**
Design of reconfigurable manufacturing systems to optimize their productivity and robustness.
M.S. in Industrial Engineering, ENIT, Tunis, Tunisia.
4. **Emmanuelle Amann (6 months, 2022)**
Optimization of La Poste mail sorting plans.
M.S. in Computer Science, Sorbonne Université, Paris, France.
5. **Guillaume Balloud (5 months, 2021)**
Pre-processing techniques for robust balancing of transfer lines.
M.S. in Computer Science, Université de Nantes, France.
6. **David Tremblet (5 months, 2021)**
Optimal balancing of multi-model assembly lines in a reconfigurable environment.
M.S. in Computer Science, Université de Nantes, France.
7. **Ramzi Ben Mhenni (5 months, 2016)**
Branch-and-bound algorithms for parsimonious optimization in signal processing.
M.S. in Computer Science, Université de Monastir, Tunisia.

Publications

International Journal Papers (22).....

1. **Yelles-Chaouche A.R., Gurevsky E., Brahimi N., Dolgui A.** Optimizing modular equipment in the design of multi-product reconfigurable production lines. *Computers & Industrial Engineering*, 192 : 110226, 2024 (Elsevier) 
2. **Brauner N., Gurevsky E., Kovalyov M.Y.** A single representative min-max-min robust selection problem with alternatives and budgeted uncertainty. *Discrete Applied Mathematics*, 349 : 106-112, 2024. (Elsevier) 
3. **Shibasaki R.S., Rossi A., Gurevsky E.** A new upper bound based on Dantzig-Wolfe decomposition to maximize the stability radius of a simple assembly line under uncertainty. *European Journal of Operational Research*, 313(3) : 1015-1030, 2024. (Elsevier) 
4. **Gurevsky E., Kopelevich D., Kovalev S., Kovalyov M.Y.** Integer knapsack problems with profit functions of the same value range. *4OR : A Quarterly Journal of Operations Research*, 21(3) : 405-419, 2023. (Springer) 
5. **Tremblet D., Yelles-Chaouche A.R., Gurevsky E., Brahimi N., Dolgui A.** Optimizing task reassignments for reconfigurable multi-model assembly lines with unknown order of product arrival. *Journal of Manufacturing Systems*, 67 : 190-200, 2023. (Elsevier) 
6. **Yelles-Chaouche A.R., Gurevsky E., Brahimi N., Dolgui A.** Minimizing task reassignments under balancing multi-product reconfigurable manufacturing lines. *Computers & Industrial Engineering*, 173 : 108660, 2022. (Elsevier) 
7. **Gurevsky E., Rasamimanana A., Pirogov A., Dolgui A., Rossi A.** Stability factor for robust balancing of simple assembly lines under uncertainty. *Discrete Applied Mathematics*, 318 : 113-132, 2022. (Elsevier) 
8. **Gurevsky E., Kopelevich D., Kovalev S., Kovalyov M.Y.** Min-sum controllable risk problems with concave risk functions of the same value range. *Networks*, 79(1) : 105-116, 2022 (Wiley) 
9. **Schepler X., Rossi A., Gurevsky E., Dolgui A.** Solving robust bin-packing problems with a branch-and-price approach. *European Journal of Operational Research*, 297(3) : 831-843, 2022. (Elsevier) 
10. **Yelles-Chaouche A.R., Gurevsky E., Brahimi N., Dolgui A.** Reconfigurable manufacturing systems from an optimization perspective : a focused review of literature. *International Journal of Production Research*, 59(21) : 6400-6418, 2021. (Taylor & Francis) 
11. **Gurevsky E., Kovalev S., Kovalyov M.Y.** Min-max controllable risk problems. *4OR : A Quarterly Journal of Operations Research*, 19(1) : 93-101, 2021. (Springer) 
12. **Pirogov A., Gurevsky E., Rossi A., Dolgui A.** Robust balancing of transfer lines with blocks of uncertain parallel tasks under fixed cycle time and space restrictions. *European Journal of Operational Research*, 290(3) : 946-955, 2021. (Elsevier) 

13. **Rossi A., Gurevsky E., Battaia O., Dolgui A.** Maximizing the robustness for simple assembly lines with fixed cycle time and limited number of workstations. *Discrete Applied Mathematics*, 208 : 123–126, 2016. (Elsevier) 
14. **Gurevsky E., Hazır Ö., Battaia O., Dolgui A.** Robust balancing of simple assembly lines with interval task processing times. *Journal of the Operational Research Society*, 64(11) : 1607–1613, 2013. (Palgrave Macmillan) 
15. **Battaia O., Gurevsky E., Makssoud F., Dolgui A.** Equipment location in machining transfer lines with multi-spindle heads. *Journal of Mathematical Modeling and Algorithms in Operations Research*, 12(2) : 117–133, 2013. (Springer) 
16. **Gurevsky E., Battaia O., Dolgui A.** Stability measure for a generalized assembly line balancing problem. *Discrete Applied Mathematics*, 161(3) : 377–394, 2013. (Elsevier) 
17. **Gurevsky E., Battaia O., Dolgui A.** Balancing of simple assembly lines under variations of task processing times. *Annals of Operations Research*, 201(1) : 265–286, 2012. (Springer) 
18. **Guschinskaya O., Gurevsky E., Dolgui A., Ereemeev A.** Metaheuristic approaches for the design of machining lines. *The International Journal of Advanced Manufacturing Technology*, 55(1-4) : 11–22, 2011. (Springer) 
19. **Emelichev V.A., Gurevsky E.E., Kuzmin K.G.** On stability of some lexicographic integer optimization problem. *Control and Cybernetics*, 39(3) : 811–826, 2010. 
20. **Gurevskii E.E., Emelichev V.A.** On five types of stability of the lexicographic variant of the combinatorial bottleneck problem. *Discrete Mathematics and Applications*, 19(4) : 337–348, 2009. (Walter de Gruyter) 
21. **Emelichev V.A., Gurevskii E.E.** On the regularization of vector integer quadratic programming problems. *Cybernetics and Systems Analysis*, 45(2) : 274–280, 2009. (Springer) 
22. **Emelichev V.A., Gurevskii E.E.** Stability of a combinatorial vector partition problem. *Cybernetics and Systems Analysis*, 43(3) : 462–465, 2007. (Springer) 

National Journal Papers (5).....

1. **Emelichev V.A., Gurevsky E.E., Platonov A.A.** On stability and quasi-stability radii for a vector combinatorial problem with a parametric optimality principle. *Buletinul Academiei de Ştiinţe a Republicii Moldova. Matematica*, (2) : 55–61, 2009. 
2. **Gurevsky E.E., Emelichev V.A.** Postoptimal analysis of a vector partition problem with ordered criteria. *Proceedings of the Institute of Mathematics of the NAS of Belarus*, 16(2) : 14–22, 2008. (in Russian) 
3. **Emelichev V.A., Gurevsky E.E.** On stability kernel of a multicriteria combinatorial minimax problem. *Discrete Analysis and Operations Research*, 15(5) : 6–19, 2008. (in Russian) 
4. **Emelichev V.A., Gurevsky E.E.** Linear convolution of criteria in the vector p -center problem. *Buletinul Academiei de Ştiinţe a Republicii Moldova. Matematica*, (1) : 73–82, 2007. 

5. **Emelichev V.A., Gurevsky E.E., Platonov A.A.** Measure of stability for a finite cooperative game with a generalized concept of equilibrium. *Buletinul Academiei de Ştiinţe a Republicii Moldova. Matematica*, (3) : 17–26, 2006. 🌐

International Conference Communications (30).....

1. **Spitzer V., Gicquel C., Gurevsky E., Sanson F.** Day-ahead lot-sizing under uncertainty : An application to green hydrogen production. *33rd European Conference on Operational Research (EURO 2024). Copenhagen (Denmark), June 30 – July 03, 2024*. Conference Program, p. 367.
2. **Arbi S., Cerqueus A., Gurevsky E., Dolgui A.** Bi-objective based scalable balancing of a reconfigurable assembly line. *33rd European Conference on Operational Research (EURO 2024). Copenhagen (Denmark), June 30 – July 03, 2024*. Conference Program, p. 318.
3. **Arbi S., Cerqueus A., Gurevsky E., Dolgui A., Siadat A.** A multi-objective approach to design a scalable reconfigurable assembly line in an uncertain environment. *27th International Conference on Multiple Criteria Decision Making (MCDM2024). Hammamet (Tunisia), June 2–7, 2024*. Abstracts, 1 page.
4. **Spitzer V., Gicquel C., Gurevsky E., Sanson F.** Day-ahead lot-sizing under uncertainty : An application to green hydrogen production. *Proceedings of the 8th International Symposium on Combinatorial Optimization (ISCO 2024). La Laguna (Tenerife, Canary Islands, Spain), May 22–24, 2024*. In : Basu A., Mahjoub A.R. and Salazar González J.J. (Eds.) *Combinatorial Optimization. Lecture Notes in Computer Science*, 14594 : 402–416, 2024. (Springer) 🌐
5. **Arbi S., Cerqueus A., Gurevsky E., Dolgui A., Siadat A.** Simulated annealing for a bi-objective-based scalable balancing of a reconfigurable assembly line under uncertainty and limited resources. *Proceedings of the 50th International Conference on Computers & Industrial Engineering (CIE50). Sharjah (UAE), October 30 – November 02, 2023*. Volume 2, p. 1074–1083. 🌐
6. **Amann E., Gurevsky E., Laurent A., Mebarki N.** Mail sorting optimization : a case study of the French postal company La Poste. *Proceedings of the 22nd IFAC World Congress. Yokohama (Japan), July 09–14, 2023*. 6 pages. 🌐
7. **Yelles-Chaouche A.R., Gurevsky E., Brahimi N., Dolgui A.** A MILP-based heuristic approach for the design of multi-product modular reconfigurable lines. *Proceedings of the 10th IFAC Conference on Manufacturing Modeling, Management and Control (MIM 2022). Nantes (France), June 22–24, 2022*. 5 pages. 🌐
8. **Tremblet D., Yelles-Chaouche A.R., Gurevsky E., Brahimi N., Dolgui A.** Balancing multi-model assembly lines in a reconfigurable environment. *31th European Conference on Operational Research (EURO 2021). Athens (Greece), July 11–14, 2021*. Conference Handbook, p. 244.
9. **Pirogov A., Rossi A., Gurevsky E., Dolgui A.** Search space reduction in MILP approaches for the robust balancing of transfer lines. *17th International Workshop on Project Management and Scheduling (PMS 2020/2021). Toulouse (France), April 21–23, 2021*. Book of Extended Abstracts, p. 257-260.
10. **Yelles-Chaouche A.R., Gurevsky E., Brahimi N., Dolgui A.** Modular equipment optimization in the design of multi-product reconfigurable manufacturing systems. *17th International Workshop on Project Management and Scheduling (PMS 2020/2021). Toulouse (France), April 21–23, 2021*. Book

of Extended Abstracts, p. 362-365.

11. **Yelles-Chaouche A.R., Gurevsky E., Brahimi N., Dolgui A.** Minimizing task reassignments in the design of reconfigurable manufacturing lines with space restrictions. *Proceedings of the 21st IFAC World Congress. Berlin (Germany), July 12–17, 2020.* 6 pages. 📄
12. **Brahimi N., Dolgui A., Gurevsky E., Yelles-Chaouche A.R.** A literature review of optimization problems for reconfigurable manufacturing systems. *Proceedings of the 9th IFAC Conference on Manufacturing Modeling, Management and Control (MIM 2019). Berlin (Germany), August 28–30, 2019.* 6 pages. 📄
13. **Pirogov A., Gurevsky E., Rossi A., Dolgui A.** Optimality-based cuts generation for robust balancing of paced production lines with blocks of uncertain parallel tasks and space restrictions. *29th European Conference on Operational Research (EURO 2018). Valencia (Spain), July 8–11, 2018.* Conference Handbook, p. 136.
14. **Pirogov A., Gurevsky E., Rossi A., Dolgui A.** A MILP approach for robust transfer line design. *7th International Conference on Industrial Engineering and Systems Management (IESM 2017). Saarbrücken (Germany), October 11–13, 2017.* Conference Proceedings, p. 20–24.
15. **Schepler X., Rossi A., Gurevsky E., Dolgui A.** A branch-and-price algorithm for robust bin packing with variable size items. *Joint EURO/ORSC/ECCO Conference 2017 on Combinatorial Optimization (ECCO XXX – 2017). Koper (Slovenia), May 3–6, 2017.* Book of Abstracts, p. 19–20.
16. **Gurevsky E., Kovalev S., Kovalyov M.Y.** A min-max risk version of some combinatorial optimization problems with controllable data. *Joint EURO/ORSC/ECCO Conference 2017 on Combinatorial Optimization (ECCO XXX – 2017). Koper (Slovenia), May 3–6, 2017.* Book of Abstracts, p. 22.
17. **Gurevsky E., Kovalev S., Kovalyov M.Y.** Combinatorial problems of risk management for routing and network design. *28th European Conference on Operational Research (EURO 2016). Poznań (Poland), July 3–6, 2016.* Conference Handbook, p. 70.
18. **Gurevsky E., Kovalev S., Kovalyov M.Y.** Polynomially solvable knapsack type problems with box constraints on combinatorial structures. *28th Conference of the European Chapter on Combinatorial Optimization (ECCO XXVIII – 2015). Catania (Italy), May 28–30, 2015.* Abstracts, p. 59.
19. **Gurevsky E., Merel A., Gandibleux X.** A column generation based algorithm for a bi-objective capacity evaluation of a railway infrastructure. *22nd International Conference on Multiple Criteria Decision Making (MCDM2013). Málaga (Spain), June 17–21, 2013.* Book of Abstracts, p. 78.
20. **Gurevsky E., Guschinskaya O., Dolgui A.** Post-optimal analysis for a design problem of machining lines. *Proceedings of the 5th IFAC International Conference on Management and Control of Production and Logistics (MCPL 2010). Coimbra (Portugal), September 08–10, 2010.* 5 pages. 📄
21. **Gurevsky E., Guschinskaya O., Dolgui A.** Analyse de sensibilité du problème de l'équilibrage des lignes d'usinage : perturbation des temps opératoires. *Actes de la 8^{ème} ENIM IFAC Conférence Internationale de Modélisation et Simulation (MOSIM'10). Hammamet (Tunisie), 10–12 Mai, 2010.* 8 pages.

22. **Gurevsky E., Guschinskaya O., Dolgui A.** Assembly line balancing problems under uncertainties. *Proceedings of the 25th Mini-EURO Conference on Uncertainty and Robustness in Planning and Decision Making (URPDM 2010)*. Coimbra (Portugal), April 15–17, 2010. 8 pages.
23. **Gurevsky E., Guschinskaya O., Ereemeev A., Dolgui A.** Balancing machining transfer lines using genetic algorithms. *Proceedings of the 39th International Conference on Computers & Industrial Engineering (CIE39)*. Troyes (France), July 6–8, 2009. P. 1850–1855. ☺
24. **Guschinskaya O., Gurevsky E., Dolgui A., Ereemeev A.** Métaheuristiques pour la conception en avant-projet des lignes d'usinage. *Actes du 8^{ème} Congrès International de Génie Industriel (CIGI'09)*. Bagnères-de-Bigorre (France), 10–12 Juin, 2009. 8 pages.
25. **Gurevsky E., Guschinskaya O., Ereemeev A., Dolgui A.** Metaheuristic methods for balancing machining transfer lines. *Proceedings of the 42nd CIRP Conference on Manufacturing Systems*. Grenoble (France), June 3–5, 2009. 7 pages.
26. **Emelichev V., Gurevsky E.** Postoptimal analysis of lexicographic combinatorial minimax problems. *The Second International Conference «Problems of Cybernetics and Informatics (PCI'2008)»*. Baku (Azerbaijan), September 10–12, 2008. Volume 3, p. 73–75.
27. **Gurevsky E.E., Emelichev V.A.** Regularizing and ε -regularizing of vector integer quadratic programming problems. *Proceedings of the XIV Baikal International School-Seminar «Optimization Methods and Their Applications»*. Irkutsk, Baikal (Russia), July 2–8, 2008. Volume 1. Mathematical Programming, p. 288–295. (in Russian)
28. **Gurevsky E.E., Emelichev V.A., Platonov A.A.** Finite cooperative games with a parametric concept of equilibrium under uncertainties. *The Third International Scientific Conference «Scheduling Theory and Decomposition Methods. Tanaev's Readings»*. Minsk (Belarus), March 28, 2007. Transactions, p. 40–45. (in Russian)
29. **Gurevsky E.E., Emelichev V.A.** A multicriteria combinatorial partition problem under uncertainties. *Materials of the IX International Conference «Intelligent Systems and Computer Science»*. Moscow (Russia), October 23–27, 2006. Volume 1. Part 1, p. 117–123. (in Russian)
30. **Emelichev V.A., Gurevsky E.E.** A vector partition problem with uncertain numeric parameters. *The XIVth Conference on Applied and Industrial Mathematics, dedicated to the 60th anniversary of the foundation of the Faculty of Mathematics and Computer Science of Moldova State University*. Kishinev (Moldova), August 17–19, 2006. Communications, p. 163–165.

National Conference Communications (22).....

1. **Arbi S., Cerqueus A., Gurevsky E., Dolgui A., Siadat A.** A hyper-volume based metric for scalable design of reconfigurable manufacturing systems with multiple objectives. *2nd Congress of the Society of Automatics, Industrial Engineering and Production (SAGIP 2024)*. Villeurbanne (France), May 29–31, 2024. Abstracts, 2 pages.
2. **Amann E., Laurent A., Gurevsky E., Mebarki N.** Constitution optimale des sessions de tri du courrier à La Poste. *Résumés du 2^{ème} Congrès Annuel de la Société d'Automatique, de Génie Industriel et de Productique (SAGIP 2024)*. Villeurbanne (France), 29–31 Mai, 2024. 2 pages.

3. **Arbi S., Cerqueus A., Gurevsky E., Dolgui A., Siadat A.** A literature review of optimization problems focused on scalability aspects for manufacturing systems. *25th Congress of the French Society of Operations Research and Decision Aid (ROADEF 2024)*. Amiens (France), March 4–7, 2024. Abstracts, 2 pages.
4. **Shibasaki R.S., Rossi A., Gurevsky E.** Dantzig-Wolfe decomposition for robust balancing of a simple assembly line under uncertainty. *25th Congress of the French Society of Operations Research and Decision Aid (ROADEF 2024)*. Amiens (France), March 4–7, 2024. Abstracts, 2 pages.
5. **Spitzer V., Gicquel C., Gurevsky E., Sanson F.** Dimensionnement de lots de production un jour à l'avance sous incertitudes éoliennes : application à la production d'hydrogène vert. *Résumés du 25ème Congrès Annuel de la Société Française de Recherche Opérationnelle et d'Aide à la Décision (ROADEF 2024)*. Amiens (France), 4–7 Mars, 2024. 6 pages.
[ROADEF 2024 Best Student Paper Award.](#)
6. **Amann E., Gurevsky E., Mebarki N.** Optimisation du tri du courrier : un cas d'étude à La Poste. *Résumés du 24ème Congrès Annuel de la Société Française de Recherche Opérationnelle et d'Aide à la Décision (ROADEF 2023)*. Rennes (France), 20–23 Février, 2023. 2 pages.
7. **Spitzer V., Sanson F., Feliot P., Gurevsky E., Rossi A.** Optimisation de la production d'hydrogène vert renouvelable sous incertitudes. *Résumés du 24ème Congrès Annuel de la Société Française de Recherche Opérationnelle et d'Aide à la Décision (ROADEF 2023)*. Rennes (France), 20–23 Février, 2023. 2 pages.
8. **Arbi S., Derrien A., Gurevsky E., Dolgui A., Siadat A.** Resource-constrained balancing of assembly lines to optimize their productivity and robustness in a reconfigurable environment. *24th Congress of the French Society of Operations Research and Decision Aid (ROADEF 2023)*. Rennes (France), February 20–23, 2023. Abstracts, 2 pages.
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Co-advisor :	Olga Battaïa	Researcher, École des Mines de Saint-Étienne

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