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Publications

Books (monographs)

- [1] Digital Preservation: Putting It to Work. *Studies in Computational Intelligence*, **700**, Springer 2017. (edited with T.Traczyk, P.Pałka, T.Śliwiński).
- [2] *Linear and Mixed Integer Programming for Portfolio Optimization*. Springer, Berlin, 2015. (with R.Mansini and M.G.Speranza).
- [3] *Linear and Discrete Optimization with Multiple Criteria: Preference Models and Applications to Decision Support* (in Polish). Warsaw University Press, Warsaw, 1997.
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Books (textbooks)

- [5] *Decision Support* (in Polish), WUT/Kopipol, Warsaw, 2006.
- [6] *Mathematical Programming with the MPSX Package* (in Polish). Warsaw University Press, Warsaw, 1989.
- [7] *Linear Programming Packages* (in Polish). Polish Academy of Sciences, Warsaw, 1989.

Chapters in Books

- [8] The CREDO Project. In *Digital Preservation: Putting It to Work. Studies in Computational Intelligence, vol. 700*, T.Traczyk et al. (Eds.), Springer, 2017, pp. 65–76. (with T.Traczyk).
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- [10] On solving optimization problems with ordered average criteria and constraints. In *Fuzzy Optimization*, W.A. Lodwick, J. Kacprzyk (Eds.), Studies in Fuzziness and Soft Computing 254, Springer, 2010, pp. 209–230. (with T.Śliwiński).
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- [14] Solving Multiobjective Distribution-Location Problems with the DINAS System. *Ibid*, pp. 230–250. (with K.Studziński & K.Zorychta).
- [15] DINAS – Dynamic Interactive Network Analysis System. *Ibid*, pp. 385–387. (with K.Studziński & K.Zorychta).

Edited Volumes

- [16] *Advances in Continuous Optimization on the Occasion of EUROPT 2016*, Special Issue of *Mathematical Methods of Operations Research*, **86**, 2017. (with A.Stachurski).
- [17] *Fair Optimization and Networks: Models, Algorithms, and Applications*, Special Issue of *Journal of Applied Mathematics*, **2014**, 2014. (with H.Luss, D.Nace, M.Pióro).
- [18] *Methodological Foundations of Multi-Criteria Decision Making*, Feature Issue of *European Journal of Operational Research*, **158**, No. 2, 2004. (with R.Vetschera).
- [19] *Portfolio Optimization*, Special Issue of *Control and Cybernetics*, **28**, No. 4, 1999. (with G.Kersten).

Peer-reviewed Journal Publications

- [20] Bridging k-sum and CVaR optimization in MILP, *Computers and Operations Research*, **105**, pp. 156–166, 2019. (with C.Filippi and M.G.Speranza).
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- [22] Efficient optimization of the reward-risk ratio with polyhedral risk measures, *Mathematical Methods of Operations Research*, **86**, pp. 625–653, 2017. (with M. Przyłuski and T.Śliwiński).
- [23] Lexicographic extension of the reference point method applied in radiation therapy treatment planning, *European Journal of Operational Research*, **263**, pp. 247–257, 2017. (with R. van Haveren, S. Breedveld, M. Keijzer, P. Voet, B. Heijmen).
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- [27] Network Dimensioning with Maximum Revenue Efficiency for the Fairness Index, *Journal of Telecommunications and Information Technology*, **4/2016**, pp. 15–21, 2016. (with G.Zalewski)
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- [29] Fair Optimization and Networks: A Survey, *Journal of Applied Mathematics*, **2014**, Article ID 612018, 25 pages, 2014. (with H.Luss, M.Pióro, D.Nace, and A.Tomaszewski).
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- [39] On Efficient WOWA Optimization for Decision Support under Risk. *International Journal of Approximate Reasoning*, **50**, pp. 915–928, 2009. (with T.Śliwiński).
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- [105] Large-Scale Periodic Routing Problems for Supporting Planning of Mobile Personnel Tasks. In *Uncertainty and Imprecision in Decision Making and Decision Support: Cross-Fertilization, New Models and Applications, IWIFSGN 2016, Atanassov K. et al. (Eds.), Advances in Intelligent Systems and Computing, vol 559*. pp. 205–216, Springer, 2018. (with T.Śliwiński, J.Hurkała, M.Kaleta, P.Pałka, B.Kozłowski).
- [106] Network Dimensioning with Minimum Unfairness Cost for the Efficiency. In *Uncertainty and Imprecision in Decision Making and Decision Support: Cross-Fertilization, New Models and Applications, IWIFSGN 2016, Atanassov K. et al. (Eds.), Advances in Intelligent Systems and Computing, vol 559*. pp. 217–229, Springer, 2018. (with G.Zalewski).
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