

Andreas Beham
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Förderungen

Auszeichnungen

2nd place at Combinatorial Black Box Optimization Competition
Beham, Andreas (Empfänger*in), Jul 2016

Certificate of Appreciation
Beham, Andreas (Empfänger*in), 25 Nov 2020

FH OÖ Jungforscherpreis 2016
Beham, Andreas (Empfänger*in), Dez 2016

FH OÖ Jungforscherpreis 2020
Beham, Andreas (Empfänger*in), 17 Dez 2020

Projekte

DigiMont - Digitale Montage - ein erster Schritt für „Losgröße 1“
Affenzeller, M. & Beham, A.
01.12.2014 → 30.11.2017

Fakultätsübergreifendes Institut für intelligente Produktion - Hgbg
Affenzeller, M., Beham, A., Burlacu, B., Fleck, P., Traugott, G., Holzleitner, E. & Holzinger, F. C.
01.07.2014 → 30.06.2019

FELICE (Hagenberg) - Flexible Assembly Manufacturing with Human-Robot Collaboration and Digital Twin Models
Beham, A., Froschauer, R. F., Wagner, S., Affenzeller, M., Brunner, M., Strähle, M. & Holzinger, F. C.
01.01.2021 → 30.06.2024

Josef Ressel-Zentrum für Heuristische Optimierung
Affenzeller, M., Beham, A., Kronberger, G., Kommenda, M., Dorfer, V., Pitzer, E. & Fleck, P.
01.10.2008 → 30.09.2013

JRZ adaptOp - Josef Ressel Zentrum für adaptive Optimierung in dynamischen Umgebungen
Wagner, S., Beham, A., Leitner, S. J., Karder, J. A., Holzleitner, E., Hauder, V., Werth, B. & Beneder, M.
01.10.2019 → 30.09.2024

K-Projekt HOPL
Affenzeller, M., Wagner, S., Lengauer, E., Beham, A., Leitner, S. J., Karder, J. A., Petschnik, E., Kommenda, M., Kellermayr-Scheucher, M., Burlacu, B., Krauss, O., Holzleitner, E. & Hauder, V.
01.05.2014 → 30.04.2018

LOISI: Logistics Optimization in Steel Industries
Beham, A., Leitner, S. J., Hauder, V., Wagner, S. & Affenzeller, M.

01.10.2016 → 30.09.2019

Optimal Workforce

Beham, A., Karder, J. A., Brunner, M., Altendorfer, K., Hauder, V., Zenisek, J., Wagner, S. & Affenzeller, M.
01.11.2017 → 01.05.2021

SimGenOpt2 - Integrated Methods for Robust Production Planning and Control

Beham, A., Karder, J. A., Brunner, M., Altendorfer, K., Werth, B., Seiringer, W., Wagner, S., Affenzeller, M. & Jodlbauer, H.
01.03.2017 → 01.03.2021

Publikationen

Bücher und Schriften

Beham, A. (2019). *Fitness Landscape Analysis and Algorithm Selection for Assignment Problems*.

Affenzeller, M., Winkler, S., Wagner, S., & Beham, A. (2009). *Genetic algorithms and genetic programming: Modern concepts and practical applications*. CRC Press. <https://doi.org/10.1201/9781420011326>

Journalbeiträge

2021

Karder, J. A., Beham, A., Hauder, V., Altendorfer, K., & Affenzeller, M. (2021). Simulation-Based Optimisation for Worker Cross-Training. *International Journal of Simulation and Process Modelling*.

2020

Hauder, V., Beham, A., Leitner, S. J., Parragh, S., & Affenzeller, M. (2020). Resource-constrained multi-project scheduling with activity and time flexibility. *Computers and Industrial Engineering*, 150, [106857].
<https://doi.org/10.1016/j.cie.2020.106857>

Beham, A., Raggl, S. J., Hauder, V., Karder, J., Wagner, S., & Affenzeller, M. (2020). Performance, Quality, and Control in Steel Logistics 4.0. *Procedia Manufacturing*, 42, 429-433. <https://doi.org/10.1016/j.promfg.2020.02.053>

Altendorfer, K., Schober, A., Karder, J., & Beham, A. (2020). Service level improvement due to worker cross training with stochastic worker absence. *International Journal of Production Research*, 59(14), 4416-4433.
<https://doi.org/10.1080/00207543.2020.1764126>

2019

Schober, A., Altendorfer, K., Karder, J., & Beham, A. (2019). Influence of workforce qualification on service level in a flow shop with two lines. *IFAC Papers Online*, 52(13), 553-558. <https://doi.org/10.1016/j.ifacol.2019.11.216>

Scagnetti, J., Beham, A., Wagner, S., & Affenzeller, M. (2019). Approximate Q-Learning for Stacking Problems with Continuous Production and Retrieval. *Applied Artificial Intelligence*, 33(1), 68-86.
<https://doi.org/10.1080/08839514.2018.1525852>

2018

Raggl, S. J., Beham, A., Tricoire, F., & Affenzeller, M. (2018). Solving a Real World Steel Stacking Problem. *International Journal of Service and Computing Oriented Manufacturing*, 3(2). <https://doi.org/10.1504/IJSCOM.2018.091621>

Tricoire, F., Scagnetti, J., & Beham, A. (2018). New insights on the block relocation problem. *COMPUTERS & OPERATIONS RESEARCH*, 89, 127-139. <https://doi.org/10.1016/j.cor.2017.08.010>

2017

Karder, J., Scheibenpflug, A., Beham, A., Wagner, S., & Affenzeller, M. (2017). Extending Sim# for simulation-based optimisation of Semi-Automated machinery. *International Journal of Simulation and Process Modelling*, 12(6), 485-497. <https://doi.org/10.1504/IJSPM.2017.089634>

2015

Kofler, M., Beham, A., Wagner, S., & Affenzeller, M. (2015). Robust storage assignment in warehouses with correlated demand. *Studies in Computational Intelligence*, 595, 415-428. https://doi.org/10.1007/978-3-319-15720-7_29

2014

Hutterer, S., Beham, A., Affenzeller, M., Auinger, F., & Wagner, S. (2014). Software-Enabled Investigation in Metaheuristic Power Grid Optimization. *IEEE TRANSACTIONS ON INDUSTRIAL INFORMATICS*, 10(1), 364-372. [6574283]. <https://doi.org/10.1109/TII.2013.2276525>

2013

Vonolfen, S., Affenzeller, M., Beham, A., Lengauer, E., & Wagner, S. (2013). Simulation-based evolution of resupply and routing policies in rich vendor-managed inventory scenarios. *Central European Journal of Operations Research*, 21(2), 379-400. <https://doi.org/10.1007/s10100-011-0232-5>

2012

Vonolfen, S., Beham, A., Affenzeller, M., Wagner, S., & Mayr, A. (2012). Combination and Comparison of Different Genetic Encodings for the Vehicle Routing Problem. *Lecture Notes in Computer Science*, 6927(PART 1), 327-334. https://doi.org/10.1007/978-3-642-27549-4_42

Pitzer, E., Affenzeller, M., Beham, A., & Wagner, S. (2012). Comprehensive and Automatic Fitness Landscape Analysis Using HeuristicLab. *Lecture Notes in Computer Science*, 6927(PART 1), 424-431. https://doi.org/10.1007/978-3-642-27549-4_54

2009

Wagner, S., Kronberger, G., Beham, A., Winkler, S., & Affenzeller, M. (2009). Model Driven Rapid Prototyping of Heuristic Optimization Algorithms. *Lecture Notes in Computer Science*, 5717(1), 729-736. https://doi.org/10.1007/978-3-642-04772-5_94

Affenzeller, M., Winkler, S., Beham, A., & Wagner, S. (2009). On the Influence of Selection Schemes on the Genetic Diversity in Genetic Algorithms. *Lecture Notes in Computer Science*, 5717(1), 777-784. https://doi.org/10.1007/978-3-642-04772-5_100

2008

Nebro, A. J., Luna, F., Alba, E., Dorronsoro, B., Durillo, J. J., & Beham, A. (2008). AbYSS: Adapting scatter search to multiobjective optimization. *IEEE TRANSACTIONS ON EVOLUTIONARY COMPUTATION*, 12(4), 439-457. <https://doi.org/10.1109/TEVC.2007.913109>

2007

Beham, A. (2007). Parallel Tabu Search and the Multiobjective Capacitated Vehicle Routing Problem with Soft Time Windows. *Lecture Notes in Computer Science*, 4739(4739), 829-836. https://doi.org/10.1007/978-3-540-75867-9_104

Konferenzbeiträge

Beham, A., Hauder, V. A., Karder, J., & Altendorfer, K. (2020). Multi-objective optimization for worker cross-training: The tri-objective case. in *GECCO 2020 Companion - Proceedings of the 2020 Genetic and Evolutionary Computation Conference Companion* (S. 257-258). (GECCO 2020 Companion - Proceedings of the 2020 Genetic and Evolutionary Computation Conference Companion). Association for Computing Machinery, Inc. <https://doi.org/10.1145/3377929.3389960>

Raggl, S., Beham, A., Wagner, S., & Affenzeller, M. (2020). Solution approaches for the dynamic stacking problem. in *GECCO 2020 Companion - Proceedings of the 2020 Genetic and Evolutionary Computation Conference Companion* (S. 1652-1660). (GECCO 2020 Companion - Proceedings of the 2020 Genetic and Evolutionary Computation Conference Companion). Association for Computing Machinery, Inc. <https://doi.org/10.1145/3377929.3398111>

Leitner, S. J., Beham, A., Wagner, S., & Affenzeller, M. (2020). Effects of Arrival Uncertainty on Solver Performance in Dynamic Stacking Problems. in M. Affenzeller, A. G. Bruzzone, F. Longo, & A. Petrillo (Hrsg.), *32nd European Modeling and Simulation Symposium, EMSS 2020* (S. 193-200). (32nd European Modeling and Simulation Symposium, EMSS 2020). <https://doi.org/10.46354/i3m.2020.emss.027>

Werth, B., Karder, J., Beham, A., & Wagner, S. (2020). Hyper-parameter handling for Gaussian processes in efficient global optimization. in A. G. Bruzzone, F. De Felice, M. Massei, & A. Solis (Hrsg.), *19th International Conference on Modeling and Applied Simulation, MAS 2020* (S. 60-67). (19th International Conference on Modeling and Applied Simulation, MAS 2020). DIME UNIVERSITY OF GENOA. <https://doi.org/10.46354/i3m.2020.mas.008>

Raggl, S. J., Beham, A., & Affenzeller, M. (2020). Investigating the Dynamic Block Relocation Problem. in R. Moreno-Díaz, A. Quesada-Arencibia, & F. Pichler (Hrsg.), *Computer Aided Systems Theory – EUROCAST 2019 - 17th International Conference, Revised Selected Papers* (S. 438-445). (Lecture Notes in Computer Science (including subseries Lecture Notes in Artificial Intelligence and Lecture Notes in Bioinformatics); Band 12013 LNCS). Springer. https://doi.org/10.1007/978-3-030-45093-9_53

Hauder, V., Beham, A., Raggl, S. J., & Affenzeller, M. (2020). Solving a flexible resource-constrained project scheduling problem under consideration of activity priorities. in R. Moreno-Díaz, A. Quesada-Arencibia, & F. Pichler (Hrsg.), *Computer Aided Systems Theory – EUROCAST 2019 - 17th International Conference, Revised Selected Papers* (S. 327-334). (Lecture Notes in Computer Science (including subseries Lecture Notes in Artificial Intelligence and Lecture Notes in Bioinformatics); Band 12013 LNCS). Springer. https://doi.org/10.1007/978-3-030-45093-9_40

Karder, J., Beham, A., Peirleitner, A. J., & Altendorfer, K. (2020). Surrogate-Assisted Multi-Objective Parameter Optimization for Production Planning Systems. in R. Moreno-Díaz, A. Quesada-Arencibia, & F. Pichler (Hrsg.), *Computer Aided Systems Theory – EUROCAST 2019 - 17th International Conference, Revised Selected Papers* (S. 239-246). (Lecture Notes in Computer Science (including subseries Lecture Notes in Artificial Intelligence and Lecture Notes in Bioinformatics); Band 12013 LNCS). Springer. https://doi.org/10.1007/978-3-030-45093-9_29

Beham, A., Raggl, S. J., Wagner, S., & Affenzeller, M. (2019). Uncertainty in real-world steel stacking problems. in *GECCO 2019 Companion - Proceedings of the 2019 Genetic and Evolutionary Computation Conference Companion* (S. 1438-1440). (GECCO 2019 Companion - Proceedings of the 2019 Genetic and Evolutionary Computation Conference Companion). Association for Computing Machinery, Inc. <https://doi.org/10.1145/3319619.3326803>

Karder, J., Altendorfer, K., Beham, A., & Peirleitner, A. J. (2019). Regression methods for surrogate modeling of a real production system approximating the influence on inventory and tardiness. in *WSC 2018 - 2018 Winter Simulation Conference: Simulation for a Noble Cause* (S. 2037-2048). [8632538] (Proceedings - Winter Simulation Conference; Band 2018-December). Institute of Electrical and Electronics Engineers Inc.. <https://doi.org/10.1109/WSC.2018.8632538>

Karder, J., Hauder, V., Beham, A., Altendorfer, K., & Affenzeller, M. (2019). A new solution encoding for simulation-based multi-objective workforce qualification optimization. in M. Affenzeller, A. G. Bruzzone, F. Longo, & G. Pereira (Hrsg.), *31st European Modeling and Simulation Symposium, EMSS 2019* (S. 254-261). (31st European Modeling and Simulation Symposium, EMSS 2019). DIME UNIVERSITY OF GENOA.

Steiner, E., Weichhart, G., & Beham, A. (2019). Information systems for steel production: The importance of resilience. in R. Meersman, W. Guédria, H. Panetto, C. Debruyne, I. Ciuciu, & P. Bollen (Hrsg.), *On the Move to Meaningful Internet Systems: OTM 2018 Workshops - Confederated International Workshops: EI2N, FBM, ICSP, and Meta4eS 2018, Revised Selected Papers* (S. 45-54). (Lecture Notes in Computer Science (including subseries Lecture Notes in Artificial Intelligence and Lecture Notes in Bioinformatics); Band 11231 LNCS). Springer. https://doi.org/10.1007/978-3-030-11683-5_5

Bożejko, W., Gnatowski, A., Niżyński, T., Affenzeller, M., & Beham, A. (2019). Local Optima Networks in Solving Algorithm Selection Problem for TSP. in J. Kacprzyk, W. Zamojski, J. Mazurkiewicz, J. Sugier, & T. Walkowiak (Hrsg.), *Contemporary Complex Systems and Their Dependability - Proceedings of the 13th International Conference on Dependability and Complex Systems DepCoS-RELCOMEX, 2018* (S. 83-93). (Advances in Intelligent Systems and Computing; Band 761). Springer. https://doi.org/10.1007/978-3-319-91446-6_9

Hauder, V., Beham, A., Raggl, S. J., & Affenzeller, M. (2019). Multi-objective optimization for a scheduling problem in the steel industry. in M. Affenzeller, A. G. Bruzzone, F. Longo, & G. Pereira (Hrsg.), *31st European Modeling and Simulation Symposium, EMSS 2019* (S. 241-245). (31st European Modeling and Simulation Symposium, EMSS 2019). DIME UNIVERSITY OF GENOA.

Karder, J., Beham, A., Werth, B., Wagner, S., & Affenzeller, M. (2018). Asynchronous surrogate-assisted optimization networks. in *GECCO 2018 Companion - Proceedings of the 2018 Genetic and Evolutionary Computation Conference Companion* (S. 1266-1267). (GECCO 2018 Companion - Proceedings of the 2018 Genetic and Evolutionary Computation Conference Companion). Association for Computing Machinery, Inc. <https://doi.org/10.1145/3205651.3208246>

Raggl, S. J., Beham, A., Hauder, V., Wagner, S., & Affenzeller, M. (2018). Discrete real-world problems in a black-box optimization benchmark. in *GECCO 2018 Companion - Proceedings of the 2018 Genetic and Evolutionary Computation Conference Companion* (S. 1745-1752). (GECCO 2018 Companion - Proceedings of the 2018 Genetic and Evolutionary Computation Conference Companion). Association for Computing Machinery, Inc. <https://doi.org/10.1145/3205651.3208280>

Beham, A., Wagner, S., & Affenzeller, M. (2018). Algorithm selection on generalized quadratic assignment problem landscapes. in *GECCO 2018 - Proceedings of the 2018 Genetic and Evolutionary Computation Conference* (S. 253-260). (GECCO 2018 - Proceedings of the 2018 Genetic and Evolutionary Computation Conference). Association for Computing Machinery, Inc. <https://doi.org/10.1145/3205455.3205585>

Hauder, V., Karder, J., Beham, A., Wagner, S., & Affenzeller, M. (2018). A general solution approach for the location routing problem. in R. Moreno-Diaz, A. Quesada-Arencibia, & F. Pichler (Hrsg.), *Computer Aided Systems Theory – EUROCAST 2017 - 16th International Conference, Revised Selected Papers* (S. 257-265). (Lecture Notes in Computer Science (including subseries Lecture Notes in Artificial Intelligence and Lecture Notes in Bioinformatics); Band 10671 LNCS). Springer. https://doi.org/10.1007/978-3-319-74718-7_31

Raggl, S. J., Beham, A., Wagner, S., & Affenzeller, M. (2018). Analysing a hybrid model-based evolutionary algorithm for a hard grouping problem. in R. Moreno-Diaz, A. Quesada-Arencibia, & F. Pichler (Hrsg.), *Computer Aided Systems Theory – EUROCAST 2017 - 16th International Conference, Revised Selected Papers* (S. 347-354). (Lecture Notes in Computer Science (including subseries Lecture Notes in Artificial Intelligence and Lecture Notes in Bioinformatics); Band 10671 LNCS). Springer. https://doi.org/10.1007/978-3-319-74718-7_42

Wagner, S., Beham, A., & Affenzeller, M. (2018). Analysis and visualization of the impact of different parameter configurations on the behavior of evolutionary algorithms. in R. Moreno-Diaz, A. Quesada-Arencibia, & F. Pichler (Hrsg.), *Computer Aided Systems Theory – EUROCAST 2017 - 16th International Conference, Revised Selected Papers* (S. 439-446). (Lecture Notes in Computer Science (including subseries Lecture Notes in Artificial Intelligence and Lecture Notes in Bioinformatics); Band 10671 LNCS). Springer. https://doi.org/10.1007/978-3-319-74718-7_53

Karder, J., Beham, A., Wagner, S., & Affenzeller, M. (2018). Distributed simulation execution on a high-performance cluster using heuristiclab. in Y. Merkurjev, M. A. Piera, F. Longo, A. G. Bruzzone, M. Affenzeller, & E. Jimenez (Hrsg.), *30th European Modeling and Simulation Symposium, EMSS 2018* (S. 107-114). (30th European Modeling and Simulation Symposium, EMSS 2018). DIME UNIVERSITY OF GENOA.

Beham, A., Pitzer, E., Wagner, S., & Affenzeller, M. (2018). Integrating Exploratory Landscape Analysis into Metaheuristic Algorithms. in R. Moreno-Diaz, A. Quesada-Arencibia, & F. Pichler (Hrsg.), *Computer Aided Systems Theory – EUROCAST 2017 - 16th International Conference, Revised Selected Papers* (S. 473-480). (Lecture Notes in Computer Science (including subseries Lecture Notes in Artificial Intelligence and Lecture Notes in Bioinformatics); Band 10671 LNCS). https://doi.org/10.1007/978-3-319-74718-7_57

Kommenda, M., Karder, J., Beham, A., Burlacu, B., Kronberger, G., Wagner, S., & Affenzeller, M. (2018). Optimization networks for integrated machine learning. in R. Moreno-Diaz, A. Quesada-Arencibia, & F. Pichler (Hrsg.), *Computer Aided Systems Theory – EUROCAST 2017 - 16th International Conference, Revised Selected Papers* (S. 392-399). (Lecture Notes in Computer Science (including subseries Lecture Notes in Artificial Intelligence and Lecture Notes in Bioinformatics); Band 10671 LNCS). Springer. https://doi.org/10.1007/978-3-319-74718-7_47

Hauder, V., Beham, A., Raggl, S. J., & Affenzeller, M. (2018). Resource constrained project scheduling: A real-world extension for steel industry. in Y. Merkurjev, M. A. Piera, F. Longo, A. G. Bruzzone, M. Affenzeller, & E. Jimenez (Hrsg.), *30th European Modeling and Simulation Symposium, EMSS 2018* (S. 172-177). (30th European Modeling and Simulation Symposium, EMSS 2018). DIME UNIVERSITY OF GENOA.

Karder, J., Beham, A., Wagner, S., & Affenzeller, M. (2018). Solving the traveling thief problem using orchestration in optimization networks. in R. Moreno-Diaz, A. Quesada-Arencibia, & F. Pichler (Hrsg.), *Computer Aided Systems Theory – EUROCAST 2017 - 16th International Conference, Revised Selected Papers* (S. 307-315). (Lecture Notes in Computer Science (including subseries Lecture Notes in Artificial Intelligence and Lecture Notes in Bioinformatics); Band 10671 LNCS). Springer. https://doi.org/10.1007/978-3-319-74718-7_37

Beham, A., Affenzeller, M., & Wagner, S. (2017). Instance-based algorithm selection on quadratic assignment problem landscapes. in *GECCO 2017 - Proceedings of the Genetic and Evolutionary Computation Conference Companion* (S. 1471-1478). (GECCO 2017 - Proceedings of the Genetic and Evolutionary Computation Conference Companion). ACM Sigevo. <https://doi.org/10.1145/3067695.3082513>

Hauder, V., Beham, A., Wagner, S., & Affenzeller, M. (2017). Optimization networks for real-world production and logistics problems. in *GECCO 2017 - Proceedings of the Genetic and Evolutionary Computation Conference Companion* (S. 1411-1414). (GECCO 2017 - Proceedings of the Genetic and Evolutionary Computation Conference Companion). Association for Computing Machinery, Inc. <https://doi.org/10.1145/3067695.3092959>

Karder, J., Wagner, S., Beham, A., Kommenda, M., & Affenzeller, M. (2017). Towards the design and implementation of optimization networks in heuristiclab. in *GECCO 2017 - Proceedings of the Genetic and Evolutionary Computation Conference Companion* (S. 1209-1214). (GECCO 2017 - Proceedings of the Genetic and Evolutionary Computation Conference Companion). Association for Computing Machinery, Inc. <https://doi.org/10.1145/3067695.3082475>

Bozejko, W., Gnatowski, A., Klempous, R., Affenzeller, M., & Beham, A. (2017). Cyclic scheduling of a robotic cell. in *7th IEEE International Conference on Cognitive Infocommunications, CogInfoCom 2016 - Proceedings* (S. 379-384). [7804579] (7th IEEE International Conference on Cognitive Infocommunications, CogInfoCom 2016 - Proceedings). Institute of Electrical and Electronics Engineers Inc.. <https://doi.org/10.1109/CogInfoCom.2016.7804579>

Weichhart, G., Roljic, B., Beham, A., Frühwirth, M., Steringer, R., Neissl, U., Grote, V., Karder, J., & Zörrer, H. (2017). Enterprise interoperability as framework for project knowledge management. in P. Bollen, H. Panetto, G. Weichhart, M-E. Vidal, I. Ciuciu, C. Debruyne, & A. Fensel (Hrsg.), *On the Move to Meaningful Internet Systems: OTM 2016 Workshops - Confederated International Workshops: EI2N, FBM, ICSP, Meta4eS, and OTMA 2016, Revised Selected Papers* (S. 190-

- 199). (Lecture Notes in Computer Science (including subseries Lecture Notes in Artificial Intelligence and Lecture Notes in Bioinformatics); Band 10034 LNCS). Springer. https://doi.org/10.1007/978-3-319-55961-2_19
- Hauder, V., Beham, A., & Wagner, S. (2017). Integrated performance measurement for optimization networks in smart enterprises. in P. Bollen, H. Panetto, G. Weichhart, M-E. Vidal, I. Ciuciu, C. Debruyne, & A. Fensel (Hrsg.), *On the Move to Meaningful Internet Systems: OTM 2016 Workshops - Confederated International Workshops: EI2N, FBM, ICSP, Meta4eS, and OTMA 2016, Revised Selected Papers* (S. 26-35). (Lecture Notes in Computer Science (including subseries Lecture Notes in Artificial Intelligence and Lecture Notes in Bioinformatics); Band 10034 LNCS). Springer. https://doi.org/10.1007/978-3-319-55961-2_3
- Karder, J., Hauder, V., Beham, A., Wagner, S., & Affenzeller, M. (2017). Optimierungsnetzwerke: Ein innovativer Lösungsansatz für Praxisprobleme in der Logistik. in *Jahrbuch der Logistikforschung 2017* (S. 47-58). Trauner Verlag Linz.
- Cihal, R., Beham, A., Raggl, S. J., Hölzl, E., Probst, K., & Moser, H. (2017). Slab Stacking Automation in the Hot Slab Yard as Key Factor for Post-Processing of Cast Slabs. in *Proceedings of the 9th ECCO European Continuous Casting Conference (ECCO 2017)* (S. 1122-1131)
- Raggl, S. J., Roljic, B., Schneeberger, K., Beham, A., Wagner, S., Cihal, R., Lettner, M., & Wasner, M. (2017). Stahllogistik 4.0 - Die Stahlbranche in Bewegung. in *Jahrbuch der Logistikforschung 2017* (S. 211-223). Trauner Verlag Linz.
- Beham, A., Wagner, S., & Affenzeller, M. (2016). Optimization Knowledge Center: A Decision Support System for Heuristic Optimization. in T. Friedrich (Hrsg.), *GECCO 2016 Companion - Proceedings of the 2016 Genetic and Evolutionary Computation Conference* (S. 1331-1338). (GECCO 2016 Companion - Proceedings of the 2016 Genetic and Evolutionary Computation Conference). ACM Sigevco. <https://doi.org/10.1145/2908961.2931724>
- Raggl, S. J., Beham, A., Tricoire, F., & Affenzeller, M. (2016). A Tree-Search Based Heuristic for a Complex Stacking Problem with Continuous Production and Retrieval. in *Proceedings of the 28th European Modeling and Simulation Symposium EMSS 2016*
- Raggl, S., Andreas, B., Tricoire, F., & Affenzeller, M. (2016). A tree-search based heuristic for a complex stacking problem with continuous production and retrieval. in A. G. Bruzzone, E. Jimenez, L. S. Louca, L. Zhang, & F. Longo (Hrsg.), *28th European Modeling and Simulation Symposium, EMSS 2016* (S. 56-61). (28th European Modeling and Simulation Symposium, EMSS 2016). DIME UNIVERSITY OF GENOA.
- Scheibenpflug, A., Beham, A., Kommenda, M., Karder, J., Wagner, S., & Affenzeller, M. (2015). Simplifying problem definitions in the HeuristicLab optimization environment. in S. Silva (Hrsg.), *GECCO 2015 - Companion Publication of the 2015 Genetic and Evolutionary Computation Conference* (S. 1101-1108). (GECCO 2015 - Companion Publication of the 2015 Genetic and Evolutionary Computation Conference). Association for Computing Machinery, Inc. <https://doi.org/10.1145/2739482.2768463>
- Raggl, S. J., Scagnetti, J., & Beham, A. (2015). A dynamic multicommodity network flow problem for logistics networks. in M. Affenzeller, F. Longo, L. Zhang, A. G. Bruzzone, Y. Merkuryev, & E. Jimenez (Hrsg.), *27th European Modeling and Simulation Symposium, EMSS 2015* (S. 301-306). (27th European Modeling and Simulation Symposium, EMSS 2015). DIME UNIVERSITY OF GENOA.
- Kommenda, M., Beham, A., Affenzeller, M., & Kronberger, G. (2015). Complexity measures for multi-objective symbolic regression. in F. Pichler, R. Moreno-Díaz, & A. Quesada-Arencibia (Hrsg.), *Computer Aided Systems Theory – EUROCAST 2015 - 15th International Conference, Revised Selected Papers* (S. 409-416). (Lecture Notes in Computer Science (including subseries Lecture Notes in Artificial Intelligence and Lecture Notes in Bioinformatics); Band 9520). Springer. https://doi.org/10.1007/978-3-319-27340-2_51
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