

## List of Publications

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Yann Pochon, Rolf Dornberger, Vivienne Jia Zhong, and Safak Korkut, "Investigating the Democracy Behavior of Swarm Robots in the Case of a Best-of-n Selection," presented at the 2018 IEEE Symposium Series on Computational Intelligence (SSCI 2018), Bengaluru, India, 2018.
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Shama Baldi, Nina Maric, Rolf Dornberger, and Thomas Hanne, "Pathfinding Optimization when Solving the Paparazzi Problem Comparing A\* and Dijkstra's Algorithm," in *6th International Symposium on Computational and Business Intelligence (ISCBI 2018)*, Basel, Switzerland, 2018.
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Remo Ryter, Thomas Hanne, and Rolf Dornberger, "Effects of Noisy Multiobjective Test Functions Applied to Evolutionary Optimization Algorithms," in *6th International Symposium on Computational and Business Intelligence (ISCBI 2018)*, Basel, Switzerland, 2018.
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Fachhochschule Nordwestschweiz FHNW, *Soziale Roboter sollen Menschen unterstützen*. 2018.
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Moritz Armingeon, Pleurat Komani, Trupti Zanwar, Safak Korkut, and Rolf Dornberger, "A Case Study: Assessing Effectiveness of the Augmented Reality Application in Augusta Raurica," in *The Power of AR and VR for Business*, Manchester, 2018.
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Gabriel Frey, Arno Jurkschat, Safak Korkut, Jonas Lutz, and Rolf Dornberger, "Intuitive Hand Gestures for the Interaction with Information Visualizations in Virtual Reality," in *The Power of AR and VR for Business*, Manchester, 2018.
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Tabea Mersiovsky, Abhilash Thekkottil, Thomas Hanne, and Rolf Dornberger, "Optimal Learning Rate and Neighborhood Radius of Kohonen's Self-Organizing Map for Solving the Travelling Salesman Problem," presented at the 2nd Intl. Conference on Intelligent Systems, Metaheuristics & Swarm Intelligence ISMSI 2018, Phuket Island, Thailand, 2018.
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Vivienne Jia Zhong, Ramya Ramedeverahalli Umamaheshwarappa, Rolf Dornberger, and Thomas Hanne, "Comparison of a Real Kilobot Robot Implementation with Its Computer Simulation Focussing on Target-Searching Algorithms," presented at the 2018 International Conference on Intelligent Autonomous Systems (ICoIAS'2018), Singapore, 2018.
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Thomas Hanne and Rolf Dornberger, "Computational Intelligence in Modelling, Simulation, Optimization, and Control," in *Business Information Systems and Technology 4.0 - New Trends in the Age of Digital Change*, Springer, 2018.
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Rolf Dornberger, Terry Inglese, and Safak Korkut, "Internet of Things – A New Epistemic Object," *Journal of Systemics, Cybernetics and Informatics*, vol. 15, no. 6, pp. 36–44, 2018.
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Rolf Dornberger, Terry Inglese, Safak Korkut, and Vivienne Jia Zhong, "Digitalization: Yesterday, Today and Tomorrow," in *Business Information Systems and Technology 4.0 - New Trends in the Age of Digital Change*, Springer, 2018.
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Rolf Dornberger, Safak Korkut, Jonas Lutz, Janina Berga, and Janine Jäger, "Prototype-Based Research on Immersive Virtual Reality and on Self-Replicating Robots," in *Business Information Systems and Technology 4.0 - New Trends in the Age of Digital Change*, Springer, 2018.
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Rolf Dornberger, "Digitalisierung: Chancen und Risiken der Künstlichen Intelligenz," *metrobasel report 2018*, p. 18, 2018.
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Joël Schmid, Laura Kieser, Thomas Hanne, and Rolf Dornberger, "Optimizing Different Parameters of a Discrete Firefly Algorithm for Solving the Permutation Flow Shop Problem," presented at the 2017 IEEE Symposium Series on Computational Intelligence (SSCI 2017), Honolulu, USA, 2017.
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Pui Yue Cheong, Deepa Aggarwal, Thomas Hanne, and Rolf Dornberger, "Variation of Ant Colony Optimization Parameters for Solving the Travelling Salesman Problem," presented at the 4th Intl. Conference on Soft Computing & Machine Intelligence (ISCM 2017), Republic of Mauritius, 2017.
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Safak Korkut, Pia Gawlik-Rau, Rolf Dornberger, and Sebastian Linxen, "The Impact of Lego® Models in Decision-making Workshops," in *11th European Conference on Games Based Learning*, Graz, Austria, 2017, p. 335ff.
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Gabriel Felley and Rolf Dornberger, "How to Efficiently Conduct an IT Audit – in the Perspective of Research, Consulting and Teaching," in *20th World Multiconference on Systemics, Cybernetics and Informatics (WMSCI 2016) and the 10th International Multi-Conference on Society, Cybernetics and Informatics (IMSCI 2016)*, Orlando, Florida, USA, 2016.
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Michael Stauffer, Remo Ryter, Rolf Dornberger, and Darjan Hil, "A review and extension of the Visual Information Seeking Mantra (VISM)," in *7th International Multi-Conference on Complexity, Informatics and Cybernetics (IMCIC 2016)*, Orlando, USA, 2016.
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