

Publications

Experimental evaluation of a method for simulation based learning for a multi-agent system acting in a physical environment

Qian, K., Brehm, R. W. & Duggen, L., 2019, *Proceedings of the 11th International Conference on Agents and Artificial Intelligence*. Rocha, A., Steels, L. & van den Herik, J. (eds.). SCITEPRESS Digital Library, Vol. 1: ICAART. p. 103-109

Distributed coordination of energy-storage capacities in virtual microgrids

Brehm, R., Ramezani, H. & Jouffroy, J., 29. Nov 2018, *2018 European Control Conference (ECC)*. IEEE, p. 1124-1129

A framework for a dynamic inter-connection of collaborating agents with multi-layered application abstraction based on a software-bus system

Brehm, R., Redder, M., Flaegel, G., Menz, J. & Bruce-Boye, C., 1. Aug 2018, *Intelligent Decision Technologies 2018: Proceedings of the 10th KES International Conference on Intelligent Decision Technologies (KES-IDT 2018)*. Czarnowski, I., J. Howlett, R., C. Jain, L. & Vlacic, L. (eds.). Springer, p. 150-157 (Smart Innovation, Systems and Technologies, Vol. 97).

Agentenbasierte Regelung von Energieflüssen in Verteilnetzen durch ein Softwarebussystem

Brehm, R., Redder, M. & Kazakov, D., 1. Jul 2018, *Softwareagenten in der Industrie 4.0*. Vogel-Heuser, B. (ed.). Berlin: De Gruyter Oldenbourg, p. 109-124

Micro-cantilevers for optical sensing of biogenic amines

Wang, Y., Bravo Costa, C. A., Sobolewska, E. K., Fiutowski, J., Brehm, R., Albers, J., Nebling, E., Lofink, F., Wagner, B., Benecke, W., Rubahn, H-G. & Oliveira Hansen, R. M. D., 1. Jan 2018, In : *Microsystem Technologies: Micro- and Nanosystems Information Storage and Processing Systems*. 24, 1, p. 363–369

Consensus based scheduling of storage capacities in a virtual microgrid

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A distributed multi-agent linear biobjective algorithm for energy flow optimization in microgrids

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A DP based scheme for real-time reconfiguration of solar cell arrays exposed to dynamic changing inhomogeneous illuminations

Shi, L. & Brehm, R., 23. Feb 2016, *Proceeding of the 4th International Conference on Renewable Energy Research and Applications*. IEEE Press, p. 353-357

Methods for Distributed Optimal Energy Management

Brehm, R., 2016, Syddansk Universitet. Det Tekniske Fakultet. 147 p.

Investigations on the performance of a mechatronic system for water well rehabilitation using high power ultrasonics

Brehm, R., Locher, P. & Lindberg, J., 2014, *ASME 2014 : 12th Biennial Conference on Engineering Systems Design and Analysis, ESDA 2014*. American Society of Mechanical Engineers, Vol. 3. 8 p. V003T15A008

Hyperspectral multi-parameter sensing for marine environmental security

Zielinski, O. & Brehm, R., Nov 2007, In : *International Ocean Systems*. 11, 6, p. 19-21

Investigation of the limits of a fibre optic sensor system for measurement of temperature distribution

Brehm, R. & Johnson, F., 2006, *OCEANS 2006*. 4099112