Liste der Veröffentlichungen von Christian Stöcker

Begutachtete Veröffentlichungen in wissenschaftlichen Journals (peer-reviewed papers)

[1] C. Stöcker und M. Roth. Praktische Anwendung einer hybriden ereignisbasierten Regelung an einer industriellen Kläranlage. *at – Automatisierungstechnik*, 65(4):270—279.

[2] M. Graube, R. Gitzel, C. Stöcker, L. Urbas, S. Wassilew, M. Beck, M. Krauss. Informationspartnerschaften für datenintensive Dienstleistungen. *atp edition*, 58(6):38—49, 2016.

[3] M. Sigurani, C. Stöcker, L. Grüne und J. Lunze. Experimental evaluation of two complementary decentralized event-based control methods. *Control Engineering Practice*, 35(2):22—34, 2015.

[4] C. Stöcker und J. Lunze. Event-based feedback control of disturbed input-affine systems. *Journal of Applied Mathematics and Mechanics (ZAMM)*, 94(4):290—302, 2014.

[5] C. Stöcker, D. Vey und J. Lunze. Decentralized event-based control: Stability analysis and experimental evaluation. *Nonlinear Analysis: Hybrid Systems*, 10:141—155, 2013.

[6] C. Stöcker, J. Lunze und C. Ngo. Zwei Methoden zur ereignisbasierten Regelung gekoppelter Systeme und ihre experimentelle Erprobung. *at - Automatisierungstechnik*, 60(12):724—734, 2012.

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[7] S. Ruppert, C. Stöcker, M. Koitka, P. Schmittel and J. Provost. Hybrid dynamic control of a sewage sludge dewatering and incineration process. In *Proc. 13th IEEE Conference on Automation Science and Engineering*, Xi'an, China, pages 451—457, 2017.

[8] C. Stöcker und J. Lunze. Distributed event-based control of physically interconnected systems. In *Proc. 52nd IEEE Conference on Decision and Control*, Florence, Italy, pages 7376—7383, 2013.

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[12] C. Stöcker, J. Lunze und D. Vey. Stability analysis of interconnected event-based control loops. In *Proc. 4th IFAC Conference on Analysis and Design of Hybrid Systems*, Eindhoven, The Netherlands, pages 58—63, 2012.

[13] C. Stöcker und J. Lunze. Event-based control of nonlinear systems: An input-output linearization approach. In *Proc. Joint 50th IEEE Conference on Decision and Control and 12th European Control Conference*, Orlando, USA, pages 2541—2546, 2011.

[14] C. Stöcker und J. Lunze. Event-based control of input-output linearizable systems. In *Proc. 18th IFAC World Congress*, Milan, Italy, pages 10062—10067, 2011.

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[16] J. Lunze und C. Stöcker. *Event-Based Control and Signal Processing*, Chapter 'Event-Based State-Feedback Control´, pages 79—104. CRC Press, 2015.

[17] C. Stöcker und J. Lunze. *Control Theory of Digitally Networked Dynamic Systems*, Chapter `Event-based stabilization of interconnected systems´, pages 191—203. Springer-Verlag, 2013.

Eingeladene Vorträge & sonstige Veröffentlichungen

[18] C. Stöcker. *Ereignisbasierte Regelung physikalisch gekoppelter Systeme*. 47. Regelungstechnisches Kolloquium, Boppard, Germany, Februar 2013.

[19] C. Stöcker. *Stability analysis of interconnected event-based control loops.* Arbeitstreffen im DFG Schwerpunktprogramm 1305 "Regelungstheorie digital vernetzter dynamischer Systeme" zum Thema „Event-based control", München, Germany, Oktober 2012.

[20] J. Lunze und C. Stöcker. DFG Priority Programme 1305: Control Theory of Digitally Networked Dynamical Systems, *it - Information Technology*, 52(4):224—228, 2010.