

Curriculum Vitae of Thomas I. Strasser

CONTACT INFORMATION

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CITIZENSHIP

Austrian

SHORT BIOGRAPHY

Thomas Strasser received a master's and a PhD degree from Vienna University of Technology and was awarded with the *venia docendi* (habilitation) in the field of automation from the same university. For several years, he has been a senior scientist in the Center for Energy of the AIT Austrian Institute of Technology. His main responsibilities involve strategic development of smart grid automation and validation research projects and mentoring/supervising junior scientist and PhD candidates. Before joining AIT, Dr. Strasser spent more than 6 years as senior researcher investigating advanced and reconfigurable automation and control systems at PROFACTOR research. He is active as a senior lecturer (*Privatdozent*) at the Vienna University of Technology.

He is the co-author of more than 170 scientific publications (journal publications, book editorials and chapters, conference papers, editorial of conference proceedings, technical reports) as well as two patents in the above mentioned areas. Thomas Strasser has presented results of his research work in various international and national conferences, workshops, events, and seminars. He is an active member in various program committees of scientific conferences and serves as an associate editor of Springer, Hindawi, and IEEE Journals.

Dr. Strasser was and is involved as scientific and/or sub-project coordinator in several national and international research projects. In addition, he is an evaluator of research proposals and projects for several national and European funding agencies including the European Commission, ECSEL and Eureka Eurostars. He is member of international IEC and IEEE standardization working groups and senior member of IEEE where he is also involved in several activities of the IES (AdCom member-at-large 2018-2020), SMCS (BoG member-at-large 2018-2020), and PES societies. He serves also as the Austrian representative in the CIGRE study committee C6. Dr. Strasser is also one of the founding members of the 4diac open source initiative.

MEMBERSHIPS

- IEEE member since 2009, senior member since 2013
- IEEE Industrial Electronics Society (IES) AdCom member-at-large, since 2018
- IEEE Systems, Man, and Cybernetics (SMCS) BoG member-at-large, since 2018
- CIGRE Study Committee SC C6, representing Austria, since 2018
- IEEE-SA P2004 member, since 2017
- IEEE-SA P2660.1 secretary, since 2015
- IEC SC65B/WG15, since 2009
- OVE TK MR/TSK MR65, since 2010

JOURNAL
ACTIVITIES

- IEEE Trans. on Industrial Electronics (TIE), associate editor, since 2015
- IEEE Trans. on Industrial Informatics (TII), associate editor, since 2015
- Energy Informatics, Springer, member of the editorial board, since 2018
- Journal of Electrical and Computer Engineering, Hindawi, member of the editorial board, since 2018

SELECTED
PUBLICATIONS

- [1] P. Leitao, S. Karnouskos, L. Ribeiro, J. Lee, T. Strasser, and A. W. Colombo, “Smart Agents in Industrial Cyber—Physical Systems,” *Proceedings of the IEEE*, vol. 104, pp. 1086–1101, May 2016.
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- [3] R. Bründlinger, T. Strasser, G. Lauss, A. Hoke, S. Chakraborty, G. Martin, B. Kroposki, J. Johnson, and E. de Jong, “Lab Tests: Verifying That Smart Grid Power Converters Are Truly Smart,” *IEEE Power and Energy Magazine*, vol. 13, pp. 30–42, Mar. 2015.
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- [8] P. Vrba, V. Marik, P. Leitao, P. Siano, G. Zahbelova, V. Vyatkin, and T. Strasser, “A Review of Agent and Service-oriented Concepts applied to Intelligent Energy Systems,” *IEEE Transactions on Industrial Informatics*, vol. 10, pp. 1890–1903, Aug. 2014.
- [9] T. Strasser, M. Stifter, F. Andrén, and P. Palensky, “Co-Simulation Training Platform for Smart Grids,” *IEEE Transactions on Power Systems*, vol. 29, pp. 1989–1997, Jul. 2014.
- [10] T. Strasser, F. Andrén, F. Lehfuss, M. Stifter, and P. Palensky, “Online Reconfigurable Control Software for IEDs,” *IEEE Transactions on Industrial Informatics*, vol. 9, pp. 1455–1465, Aug. 2013.
- [11] T. Strasser and R. Froschauer, “Autonomous application recovery in distributed intelligent automation and control systems,” *IEEE Transactions on Systems, Man, and Cybernetics, Part C: Applications and Reviews*, vol. 42, pp. 1054–1070, Nov. 2012.
- [12] T. Strasser, A. Zoitl, J. H. Christensen, and C. Sünder, “Design and Execution issues in IEC 61499 Distributed Automation and Control Systems,” *IEEE Transactions on Systems, Man, and Cybernetics, Part C: Applications and Reviews*, vol. 41, pp. 41–51, Jan. 2011.