

REFERENCES

- [1] Energy.gov, „The SMART GRID: An introduction,“ 2008. [Online]. Available:
http://energy.gov/sites/prod/files/oeprod/DocumentsandMedia/DOE_SG_Book_Single_Pages%281%29.pdf.
- [2] G. Zhabelova und V. Vyatkin, „Multi-agent smart grid automation architecture based on IEC 61850/61499 intelligent logical nodes article in IEEE transactions on industrial electronics · may 2012 Multiagent smart grid automation architecture based on IEC 61850/61499 intelligent logical,“ *IEEE TRANSACTIONS ON INDUSTRIAL ELECTRONICS*, Bd. 59, Nr. 5, pp. 2351 - 2362, 5 2012.
- [3] M. Jaradat, J. Moath, A. Bousselham, Y. Jararweh und M. Al-Ayyoub, „The Internet of energy: Smart sensor networks and big data management for smart grid,“ *Procedia Computer Science*, Bd. 56, pp. 592-597, 2015.
- [4] A. Liotta, D. Geelen, G. van Kempen und F. van Hoogstraten, „A survey on networks for smart-metering systems,“ *International Journal of Pervasive Computing and Communications*, Bd. 8, Nr. 1, pp. 23 - 52, 30 3 2012.
- [5] Hitachi, „smartgrid_02.jpg,“ [Online]. Available:
http://www.hitachi.com/environment/showcase/solution/energy/images/img_smartgrid/smartgrid_02.jpg.
- [6] C. Beard und Logica, *Smart Grid For Dummies*, West Sussex, England: John Wiley & Sons, Ltd, 2010.
- [7] B. Al-Omar, A. R. Al-Ali, R. Ahmed und T. Landolsi, „Journal of computing:Role of information and communication technologies in the smart grid,“ *Journal of Emerging Trends in Computing and Information Sciences*, Bd. 3, Nr. 5, pp. 707 - 716, 5 2012.

- [8] K. T. Siok, M. Sooriyabandara und Z. Fan, „M2M Communications in the Smart Grid: Applications, Standards, Enabling Technologies, and Research Challenges,“ *International Journal of Digital Multimedia Broadcasting*, Bd. 2011, Nr. 289015, 26 5 2011.
- [9] H. Lu und H. Zhou, „Distributed real-time database platform study of DMS,“ in *2005 IEEE/PES Transmission & Distribution Conference & Exposition: Asia and Pacific*, Dalian, 2005.
- [10] E. Ortjohann, P. Wirasanti, A. Schmelter, H. Saffour, M. Hoppe und D. Morton, „Cluster fractal model — A flexible network model for future power systems,“ in *Clean Electrical Power (ICCEP), 2013 International Conference*, Alghero, 2013.
- [11] A. Schmelter, „Real Time Smart Grid Cluster Controller“. in Power Systems and Power Economics Laboratory, South Westphalia University of Applied Science/Division Soest, Germany May 2016.
- [12] S. Leksawat, A. Schmelter, E. Ortjohann, D. Holtschulte, J. Kortenbruck und D. Morton, „Implementation of Communication Model and Web Services for Cluster-Based Power System Operation in Smart Grids,“ in *Smart Grid Technologies - Asia (ISGT ASIA), 2015 IEEE Innovative*, Bangkok, 2015.
- [13] Accenture, „Achieving High Performance in Smart Grid Data Management,“ Accenture, 2010.
- [14] A. Kossiakoff, W. N. Sweet, S. J. Seymour und S. M. Biemer, SYSTEMS ENGINEERING PRINCIPLES AND PRACTICE SECOND EDITION, Wiley-Interscience, 2011.
- [15] G. Lewis, „Getting started with service- oriented architecture (SOA) terminology service-oriented architecture and service-oriented systems,“ CarnegieMellon, Pittsburgh, 2010.
- [16] V. Alvaro, „Messaging that just works,“ 19 5 2016. [Online]. Available:

<https://www.rabbitmq.com/>.

- [17] „JSON,“ [Online]. Available: <http://json.org/>.
- [18] W3C, „Extensible markup language (XML),“ 2013. [Online]. Available: <https://www.w3.org/XML/>.
- [19] „MySQL logo Downloads,“ 2016. [Online]. Available: <https://www.mysql.de/about/legal/logos.html>.
- [20] phpMyAdmin, „PhpMyAdmin,“ 2003. [Online]. Available: <https://www.phpmyadmin.net/>.
- [21] MySQL, „MySQL customers,“ [Online]. Available: <https://www.mysql.com/customers/>.
- [22] S. Lakshminarayanan, „Authentication and authorization for Smart Grid application interfaces,“ in *Power Systems Conference and Exposition (PSCE), 2011 IEEE/PES*, Phoenix, AZ, 2011.
- [23] OASIS®, „About us,“ 2016. [Online]. Available: <https://www.oasis-open.org/org>.
- [24] OASIS®, „Standards | OASIS,“ [Online]. Available: <https://www.oasis-open.org/standards>.
- [25] OASIS®, „OASIS eXtensible access control markup language (XACML) TC,“ 2016. [Online]. Available: https://www.oasis-open.org/committees/tc_home.php?wg_abbrev=xacml.
- [26] OASIS®, „EXtensible access control markup language (XACML) version 3.0 OASIS standard,“ OASIS®, 22, 2013.
- [27] OASIS®, „A brief introduction to XACML,“ 14 04 2013. [Online]. Available: https://www.oasis-open.org/committees/download.php/2713/Brief_Introduction_to_XACML.html.

- [28] W3C, „SOAP specifications,“ 2004. [Online]. Available: <https://www.w3.org/TR/soap/>.
- [29] W3C ® (MIT, ERCIM, Keio), All Rights Reserved, „Web services architecture,“ W3, 2004.
- [30] E. Christensen, F. Curbera, G. Meredith und S. Weerawarana, „Web service definition language (WSDL),“ 15 3 2001. [Online]. Available: <https://www.w3.org/TR/wsdl>.
- [31] D. Box, D. Ehnebuske, G. Kakivaya, A. Layman, N. Mendelsohn, H. F. Nielsen, S. Thatte und D. Winer, „Simple object access protocol (SOAP) 1.1,“ W3, 2000. [Online]. Available: <https://www.w3.org/TR/2000/NOTE-SOAP-20000508/>.
- [32] OpenVPN, „Openvpn 101,“ 8 2004. [Online]. Available: <https://openvpn.net/papers/openvpn-101.pdf>.
- [33] OpenVPN, „OpenVPN logos and icons,“ 2002. [Online]. Available: <https://openvpn.net/index.php/miscellaneous/473-openvpn-logos-and-icons.html>.
- [34] The PHP Group, „What is PHP?,“ [Online]. Available: <http://php.net/manual/en/intro-what-is.php>.
- [35] The PHP Group, „PHP: Download logos,“ 2001. [Online]. Available: <http://php.net/download-logos.php>.
- [36] Linux Foundation, „What is Linux,“ [Online]. Available: <http://www.linuxfoundation.org/what-is-linux>.
- [37] L. Ewing, „sit3-bwo-tran.1.gif,“ 12 2 2005. [Online]. Available: <https://web.archive.org/web/20050212225313/http://www.isc.tamu.edu/~lewing/linux/sit3-bwo-tran.1.gif>.
- [38] Linux Foundation, „News & Blogs,“ 13 6 2016. [Online]. Available:

<http://www.linuxfoundation.org/>.

- [39] The CentOS Project, „About CentOS,“ [Online]. Available: <https://www.centos.org/about/>.
- [40] The CentOS Project, „CentOS project,“ [Online]. Available: <https://www.centos.org/>.
- [41] The Gaea Times, „Top 10 benefits of CentOS over fedora,“ 2010. [Online]. Available: <http://tech.gaeatimes.com/index.php/archive/top-10-benefits-of-centos-over-fedora/>.
- [42] T. S. Jones und R. C. Richey, „Rapid prototyping methodology in action: A developmental study,“ *Educational Technology Research and Development*, Bd. 48, Nr. 2, pp. 63 - 80, 6 2000.
- [43] Klipfolio Inc, „Key performance indicators and business metrics,“ 2016. [Online]. Available: <https://www.klipfolio.com/resources/kpi-examples>.
- [44] E. Ortjohann, S. Leksawat, A. Schmelter, P. Wirasanti, D. Holtschulte und D. Morton, „Integration of Clustering Power Systems Approach and Data Management Infrastructure for Smart Grids,“ in *International Symposium on Power Electronics, Electrical Drives, Automation and Motion*, Italy, 2014.