

Publikationen (2017)

Hier finden Sie Lehrbücher sowie wissenschaftliche Aufsätze in Fachzeitschriften und Tagungsbänden, die von Professorinnen und Professoren sowie von akademischen Mitarbeiterinnen und Mitarbeitern der Fakultät E+I im Jahr 2017 veröffentlicht wurden:

Kategorie: Zeitschriften-Publikationen, peer reviewed

Nr.	Autor	Titel	Verlag
1	Aghassi-Hagmann, J., Marques, G. C., & Garlapati, S. K.	Digital power and performance analysis of inkjet printed ring oscillators based on electrolyte-gated oxide electronics	Applied Physics Letters, 111(10), 102103-1-102103-5. https://doi.org/10.1063/1.4991919
2	Aghassi-Hagmann, J., Marques, G. C., & Garlapati, S. K.	Electrolyte-Gated Field-Effect Transistors Based on Oxide Smioconductors: Fabrication and Modeling	IEEE Transactions of Electron Devices, 64(1), pp. 279-285. https://doi.org/10.1109/TED.2016.2621777
3	Baldi, M., Bertinelli, M., Chiaraluce, F., Closas, P., Garello, R., Maturo, N., Navarro, J., Palomo, M., Paolini, E., Pfletschinger, S., Silvia, P. F., Simone, L., Vilà-Valls, J.	State-of-the-Art Space Mission Telecommand Receivers	IEEE Aerospace and Electronic Systems Magazine, 32(6), pp. 4-15.
4	Biendara, J., & Otte, A.	Whiplash – a disorder oft he brain?	Hellenic Journal of Nuclear Medicine, 20(2), pp. 110-112. https://doi.org/10.1967/s002449910550
5	Entenmann, A., Michel, m., Ismer, B., & Gebauer, R.	R-wave synchronised atrial pacing in pediatric patients with postoperative junctional ectopic tachycardia: The atrioventricular interval investigated by computational analysis and clinical evaluation	BioMedical Engineering OnLine, pp. 1-13. https://doi.org/10.1186/s12938-017-0430-z
6	Felhauer, T., Schmidt, P., Grünwald, W., & Magana, M.	Beam Forming and Steering with INS for Cellular Phones to reduce EM Radiation Exposure	Wirless Personal Communications, 97(1), pp. 19-39.
7	Heinke, M., Dannberg, G., Heinke, T., Hörth, J., Kühnert, H., & Dössel, O.	Electrical interventricular delay and left ventricular delay in right ventricular pacemaker pacing before upgrading to cardiac resynchronization therapy	Current Directions in Biomedical Engineering, 3(2), pp. 245-248. https://doi.org./10.1515/cdbme-2017-0051 (Einzelnachweis)
8	Heinke, M., Echle, R., Hörth, J., & Krämer, M.	Simulation of Electrical Fields in Cardiac Resynchronization Therapy and Temperature Spread in HF	SAJ Biotechnology, Scholarena Journal of Biotechnology(Volume 4, Issue 1), pp. 1-6.

		Ablation	(Einzelnachweis)
9	Hensel, S., & Marinov, M. B.	Comparison of Time Warping Algorithms for Rail Vehicle velocity Estimation in Low Speed Scenarios	Metrology and Measurement Systems, 24(1), pp. 161-173. https://doi.org/10.1515/mms-2017-0012
10	Junk, S., & Schröder, W.	Design of additively manufactured wind tunnel models for use with UAVs	Procedia CIRP, 60, pp. 241-246. (Ergänzungsliste)
11	Klemm, M., Seebacher, F., & Hoppe, H.	High Accuracy Pixel-Wise Spatial Calibration of Optical See-Through Glasses	Computers & Graphics, 64(May 2017 Special Issue on Cyberworlds 2016), pp. 51-61.
12	Nuß, U.	Stabilitätsverhalten von zweistufig entworfenen zeitdiskreten PI-Zustandsreglern bei Stellgrößenbegrenzungen	at-Automatisierungstechnik. (10/2017), S. 705-717.
13	Otte, A.	Streustrahlung in der Ultraschall-Computertomographie zur Verifizierung der Echtheit von Perlen	Archiv für Kriminologie, 240(1+2), S. 36-40.
14	Otte, A., Weinert, O., & Junk, S.	3-D CAD-Rekonstruktion der ersten „Eisernen Hand“ des Reichsritters Gottfried von Berlichingen (1480-1562): 1. Fortsetzung: Funktionsprüfung mittels 3-D Druck: 3D CAD reconstruction of the first „Iron Hand“ of German knight Gottfried von Berlichingen (1480-1562) – first continuation: function test by means of 3D print	Archiv für Kriminologie, 240(5+6), S. 185-192.
15	Weinert, O., & Otte, A.	3-D CAD-Rekonstruktion der ersten „Eisernen Hand“ des Reichsritters Gottfried von Berlichingen (1480-1562): 3D CAD reconstruction of the first „Iron Hand“ of German knight Gottfried von Berlichingen (1480-1562)	Archiv für Kriminologie, 240(1+2), S. 50-58.
16	Zirn, S.	Development of a home-based auditory training to improve speech recognition on the telephone for patients with cochlear implants: A randomised trial	Clinical Otolaryngology, 42(6), pp. 1303-1310. https://doi.org/10.1111/coa.12871 (Einzelnachweis)

Kategorie: Zeitschriften-Publikationen, unreviewed

Nr.	Autor	Titel	Verlag
1	Becker, N., Hoppe, H., & Otte, A.	Robotersteuerung mit Hilfe von Convolutional Neural Networks	Horizonte: Forschung an Fachhochschulen in Baden-Württemberg; anwendungsbezogen, zukunftsorientiert, 50(September 2017), S. 4-5.
2	Otte, A.	Historischer Bronzeabguss: Was erzählt uns Paganinis Bogenhand?	MMW Fortschr Med: Münchner medizinische Wochenschrift – Fortschritte der Medizin, 159(8 und 9), Heft 8: S. 9-Heft 9: S. 29 (erratum). https://doi.org/10.1007/s15006-017-9545-1
3	Otte, A.	Who is Who? Götz von Berlichingen	Horizonte: Forschung an Fachhochschulen in Baden-Württemberg; anwendungsbezogen, zukunftsorientiert, 49(April), S. 61.
4	Schmid, F., & Otte, A.	Historik der Hirnschrittmacher: Von der therapeutischen Anwendung der Elektrizität zur tiefen Hirnstimulation	Ärzteblatt Baden-Württemberg, 72(1), S. 14-15.

Kategorie: Buch und Buchbeiträge inkl. Herausgeberschaft

Nr.	Autor	Titel	Verlag
1	Ismer, B. (Ed.)	Schriften aus dem Peter Osypka Institute for Pacing and Ablation an der Hochschule Offenburg – University of Applied Sciences. Intraoperative Messungen und Prüfungen in der Herzschrittmachertherapie	Offenburg: Hochschule Offenburg. 33 Seiten.
2	Ismer, B. (Ed.)	Schriften aus dem Peter Osypka Institute for Pacing and Ablation an der Hochschule Offenburg – University of Applied Sciences. Grundeinstellungen der Herzschrittmacher	Offenburg: Hochschule Offenburg. 30 Seiten.
3	Nuß, U.	Hochdynamische Regelung elektrischer Antriebe	(2nd ed.). Berlin, Offenbach: VDE-Verlag. 568 Seiten.
4	Aghassi-Hagmann, J.	Nanoenabled Products: Categories, Manufacture, and Applications.	Metrology and standardization for nanotechnology : protocols and industrial innovations (pp. 411-464). Weinheim: Wiley-VCH Verlag GmbH & Co. KGaA.

Kategorie: Konferenzveröffentlichungen

Nr.	Autor	Titel	Verlag
1	da Costa Fernandes, J. S., Schmidt, M., Feldmann, T., & Bollin, E.	Use of load profiles to optimize microgrids of non-residential environments	E. P. Executive Committee (Ed.), 33rd EU PVSEC Conference Proceedings (pp. 2739–2746). Munich/Germany: www.eupvsec-proceedings.com . https://doi.org/10.4229/EUPVSEC20172017-6BV.3.90
2	Decker, E.	Tablet-basiertes Mitmach-Skript	B. Meissner, C. Walter, & B. Zinger (Eds.), Tagungsband zum 3. Symposium zur Hochschullehre in den MINT-Fächern. DiNa-Sonderausgabe (pp. 168–173). Ingolstadt: DiZ.
3	Decker, E., & Meier, B.	Preparatory course in mathematics using the mobile app TeachMatics	T. Mirola (Ed.), UPDATE 2017 ON HIGHER EDUCATION International week 25.-29.9.2017 (pp. 133–140). Saimaa, Finland: Saimaa University of Applied Sciences Publications.
4	Dorer, K.	Learning to Use Toes in a Humanoid Robot	H. Akyama, O. Obst, C. Sammut, & F. Tonidandel (Eds.), RoboCup 2017: Robot World Cup XXI (pp. 100–111). Heidelberg: Springer.
5	Hensel, S., & Marinov, M.	Estimation of Magnetic Field Maps With Mobile Platforms	Proceedings of the 7th FDIBA Conference (pp. 93–96). Sofia: Fakultät für deutsche Ingenieur- und Betriebswirtschaftsausbildung (FDIBA), Technical University of Sofia.
6	Hensel, S., & Marinov, M.	Sensor data fusion for topological localization of rail vehicles	In Proceedings of the 7th FDIBA Conference (pp. 41–44). Sofia: Fakultät für deutsche Ingenieur- und Betriebswirtschaftsausbildung (FDIBA), Technical University of Sofia.
7	Hensel, S., Marinov, M., & Ganev, B.	Performance evaluation of low-cost particulate matter sensors	2017 XXVI International Scientific Conference Electronics (ET) (pp. 1–4). IEEE. https://doi.org/10.1109/ET.2017.8124367
8	Junk, S., Schröder, W., & Hangst, N.	Implementation of lightweight design in the product development process of unmanned aerial vehicles	A. Maier, S. Škec, & K. Harrison (Eds.) Proceedings of the 21st International Conference on Engineering Design. (ICED 17) Vol 4: Design Methods and Tools, Vancouver, Canada, 21-25.08.2017 (pp. 11–20). Vancouver, Canada: The Design Society.

9	Katliar, M., Frison, G., & Fischer, J.	Nonlinear Model Predictive Control of a Cable-Robot-Based Motion Simulator	IFAC-PapersOnLine. 20th IFAC World Congress (pp. 9833–9839). Amsterdam: Elsevier. https://doi.org/10.1016/j.ifacol.2017.08.901
10	Lauer, T., Datta, A., Kaur, A., & Chabbouh, S.	Parallel Subspace Clustering Using Multi-core and Manycore Architectures	J. Bajo (Ed.), Highlights of Practical Applications of Cyber-Physical Multi-Agent Systems (pp. 213–223). Basel: Springer International Publishing. https://doi.org/10.1007/978-3-319-67162-8_21
11	Marepalli, S. M., & Christ, A.	Computing Aggregates on Autonomous, Self-organizing Multi-Agent System: Application "Smart Grid"	J. Bajo (Ed.), Highlights of Practical Applications of Cyber-Physical Multi-Agent Systems (pp. 271–283). Basel: Springer International Publishing. https://doi.org/10.1007/978-3-319-60285-1
12	Pfletschinger, S., & Closas, P.	Non-Orthogonal Frame Synchronization for Low Latency Communication	IEEE 86th Vehicular Technology Conference: VTC2017-Fall 24–27 September 2017, Toronto, Canada (pp. 1–5).
13	Prasetyo, J. A., Yushev, A., & Sikora, A.	Investigations On The Performance Of Bluetooth Enabled Mesh Networking	Third International Symposium Wireless Systems within the Conferences on Intelligent Data Acquisition and Advanced Computing Systems (IDAACS-SWS) (pp. 56–61). https://doi.org/10.1109/IDAACSS.WS.2016.7805786
14	Scharffenberg, M., Schnekenburger, F., Wülker, M., Hochberg, U., Jahn, N.-M., & Dorer, K.	A New Motor Controller for Overloading BLDC-Motors of Low Inductivity, Lightweight and Ready for Admittance and Impedance Model Predictive Control.	Proceedings of the 12th Workshop on Humanoid Soccer Robots, 17th IEEE-RAS International Conference on Humanoid Robots (pp. 1–6). Birmingham: IEEE. Retrieved from http://nbn-resolving.de/urn/resolver.pl?urn:nbn:de:bsz:ofb1-opus4-26563
15	Schmidt, M., Han, L., Yi, J., & Zuo, L.	A Study on the User-Defined Modeling of User-Defined Power Flow Controller in DSA	7th International Conference on Power and Energy Systems (ICPES 2017) (pp. 29–33).
16	Schnekenburger, F., Scharffenberg, M., Wülker, M., Hochberg, U., & Dorer, K.	Detection and Localization of Features on a Soccer Field with Feedforward Fully Convolutional Neural Networks (FCNN) for the Adult-Size Humanoid Robot Sweaty	Proceedings of the 12th Workshop on Humanoid Soccer Robots, 17th IEEE-RAS International Conference on Humanoid Robots (pp. 1–6). Birmingham: IEEE. Retrieved from http://nbn-resolving.de/urn/resolver.pl?urn:nbn:de:bsz:ofb1-opus4-26557

17	Sikora, A., Ahmad, A., Pasha, M. A., Ahmad, Z., & Masud, S.	Energy Efficient Sensor Network Routing (EESNR) Protocol For Large Distributed Environmental Monitoring Applications	Intelligent Data Acquisition and Advanced Computing Systems: Technology and Applications (IDAACS), 2017 9th IEEE International Conference on (pp. 740–745). https://doi.org/10.1109/IDAACS.2017.8095188
18	Sikora, A., Ahmad, Z., Pasha, M. A., Ahmad, A., Muhammad, A., Masud, S., & Schappacher, M.	Performance Evaluation of IEEE 802.15.4-Compliant Smart Water Meters for Automating Large-Scale Waterways	Intelligent Data Acquisition and Advanced Computing Systems: Technology and Applications (IDAACS), 2017 9th IEEE International Conference on (pp. 746–751). https://doi.org/10.1109/IDAACS.2017.8095189
19	Sikora, A., Mamo, F. T., & Rathfelder, C.	Legacy to Industry 4.0: A Profibus Sniffer	2nd International Conference on Measurement Instrumentation and Electronics. IOP Conf. Series: Journal of Physics: Conf. Series 870 (2017) 012002 (pp. 1–6). IOP Publishing. https://doi.org/10.1088/1742-6596/870/1/012002
20	Sikora, A., Moschevikin, A. P., Lunkov, P. V., Fedorov, A. A., & Maslennikov, E. I.	Hardware and Software Architecture of Multi MEMS Sensor Inertial Module	24th Saint Petersburg International Conference on Integrated Navigation Systems (ICINS) (pp. 366–369). https://doi.org/10.23919/ICINS.2017.7995643
21	Sikora, A., Riske, A., & Schappacher, M.	Entwicklung eines DGPS-gestützten Fahrdynamikmesssystems unter Verwendung des FPGAs Zynq-7000 mit einem Dual-Core Bare-Metal asymmetrischen Multiprozessorsystem	MPC / Multi-Projekt-Chip-Gruppe Baden-Württemberg : Tagungsband zum Workshop der Multiprojekt-Chip-Gruppe Baden-Württemberg (pp. 23–28).
22	Sikora, A., Schappacher, M., & Nsiah, K. A.	Dynamic mapping of EDDL device descriptions to OPC UA	2nd International Conference on Measurement Instrumentation and Electronics. IOP Conf. Series: Journal of Physics: Conf. Series 870 (2017) 012006 (pp. 1–6). https://doi.org/10.1088/1742-6596/870/1/012006
23	Sikora, A., Schappacher, M., & Yushev, A.	A Novel Virtualized Testbed for Embedded Networking Nodes (VTENN)	Proc. of the 2017 IEEE International Instrumentation and Measurement Technology Conference (I2MTC), 22-25 May 2017, Torino, Italy (pp. 1–6). https://doi.org/10.1109/I2MTC.2017.7969667

24	Sikora, A., Schappacher, M., Yushev, A., & Mahbuba, M.	VTENN - A Virtualized Testbed for Embedded Networking Nodes	9th IEEE International Conference Intelligent Data Acquisition and Advanced Computing Systems: Technology and Applications (IDAACS) (pp. 797–803). https://doi.org/10.1109/IDAACS.2017.8095198
25	Sikora, A., Schwaab, M., Reginya, S. A., & Abramov, E. V.	Measurement Analysis of Multiple MEMS Sensor Array	24th Saint Petersburg International Conference on Integrated Navigation Systems (ICINS) (pp. 392–395). https://doi.org/10.23919/ICINS.2017.7995650
26	Sikora, A., & Walz, A.	eTPL: An Enhanced Version of the TLS Presentation Language Suitable for Automated Parser Generation	9th IEEE International Conference on Intelligent Data Acquisition and Advanced Computing Systems: Technology and Applications (IDAACS) (pp. 810–814). https://doi.org/10.1109/IDAACS.2017.8095200

Kategorie: Patentmeldungen bzw. -offenlegungen

Nr.	Autor	Titel	Verlag
1	Otte, Andreas	Zerstörungsfreie, nicht-ionisierende Ultraschall-Computertomographie zur Verifizierung der Echtheit von Perlen aufgrund des Streustrahlenverhaltens	DE 10 2016 003 553 A1. Offenlegung 28.09.2017.