

Publikationen (2015)

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 2015 veröffentlicht wurden:

Kategorie: wissenschaftliche Veröffentlichungen

Nr.	Autoren	Titel	Verlag
1	Bhattacharyya M., Dusch B., Jansen D., Mackensen E.	Design and Verification of a Mixed-Signal SoC for Biomedical Applications	<i>Proceeding of the 54. MPC-Work-shop. Ulm, Juli 2015. Pages 38-43. ISSN 1868-9221</i>
2	Brenner C., Härtig J., Melichercik J., Ismer B.	Percutaneous left atrial appendage occluder devices	<i>Proceedings of the 4th International Conference on Biotechnology and Bioengineering, Dec 11-13, Singapore: 34</i>
3	Brudsche M., Haber T., Perez Escobar L., Härtig J., Melichercik J., Ismer B.	Recent Extracardiac Radio-frequency Ablation	<i>Proceedings of the 4th International Conference on Biotechnology and Bioengineering, Dec 11-13, Singapore: 34</i>
4	Claus S., Decker E., Koschig R., Meier B.	Mathe-Üben in Studium und Abitur	<i>E-learning and Education Journal (elead), Iss. 11. (urn:nbn:de:0009-5-41317). Köln: hbz. ISSN: 1860-7470 - http://elead.campussource.de/archive/11/4131 & https://elead.campussource.de/</i>
5	Decker E., Meier B., Christ A., Hillenbrand G., Claus S., Koschig R.	Smartphones Welcome! Preparatory Course in Mathematics using the Mobile App MassMatics. Case Study	<i>Helen Crompton, John Traxler (Eds.), Mobile Learning and Mathematics: Foundations, Design and Case Studies. pp 47-60. New York: Routledge. ISBN: 978-0-415-74280-1 (hbk)</i>
6	Dorer K., Fischer J., Glaser S., Weiler D.	The magmaOffenburg 2015 RoboCup 3D Simulation Team	<i>Team description paper, RoboCup WM 2015</i>
7	Giel D., Hillenbrand G., Meier B., Decker E., Christ A.	Brückenkurs Physik mit integrierter App	<i>PhyDid B - Didaktik der Physik - Beiträge zur DPG-Frühjahrstagung 2015 http://phydid.physik.fu-berlin.de/index.php/phydid-b/article/view/606</i>
8	Haber T., Brenner C., Brudsche M., Härtig J., Melichercik J., Ismer B.	Interactive training and simulation system for pacing, defibrillation and radio-frequency ablation therapy	<i>Proceedings of the 4th International Conference on Biotechnology and Bioengineering, Dec 11-13, Singapore: 23</i>
9	Haber T., Kleister G., Selman B., Härtig J., Melichercik J., Ismer B.	In-Vitro Training In Physics Of Radio-frequency Ablation For Physicians And Medical Engineering Students	<i>Proceedings of Venice Arrhythmias 2015, Oct 16-18, Venice, Italy. Journal of Atrial Fibrillation, October 2015, Special Issue: 16-18</i>

10	Haber T., Kleister G., Selman B., Härtig J., Melicherck J., Ismer B.	Physics of Radiofrequency Ablation in-vitro Teaching System for Physicians and Medical Engineering Students	<i>Proceedings of 11th Annual Congress of the European Cardiac Arrhythmia Society 2015, Apr 19-21, Paris, France. J Interv Card Electrophysiol (2015) 42:173–326 p. 273</i>
11	Härtig J., Nagel A., Rotter K., Haber T., Escobar L., Melicherck J., Ismer B.	Distribution of esophageal interventricular conduction delays in CRT patients and healthy subjects	<i>11th Annual Congress of the European Cardiac Arrhythmia Society, Apr 19-21, Paris, France. J Interv Card Electrophysiol (2015) 42:173–326 pp. 288-289</i>
12	Hartmann S., Dizdari X., Altmann S., Haber T., Härtig J., Melicherck J., Ismer B.	In-vitro Training of Advanced Implantable Defibrillator Features to Avoid Inadequate Shocks	<i>Proceedings of 2nd International Conference on Creative Education, Jun 27-28, London, UK. Advances in Education Sciences, Vol. 10, pp. 611-615</i>
13	Heinke M., Dannberg G., Heinke T., Ismer B., Haber T., Tumampos J., Kühnert H.	Electrical Interatrial to Interventricular Conduction Delay Ratio with Focused Transesophageal Electro-cardiography in Cardiac Resynchronization	<i>Proceedings of The World Congress on medical physics and biomedical engineering, Jun. 7-12, Toronto, Canada. Pp. 114-115</i>
14	Heinke M., Dannberg G., Heinke T., Ismer B., Haber T., Tumampos J., Kühnert H.	Electrical Interatrial to Interventricular Conduction Delay Ratio with Focused Transesophageal Electro-cardiography in Cardiac Resynchronization	<i>D.A. Jaffray (ed.), World Congress on Medical Physics and Biomedical Engineering, June 7-12, 2015, Toronto, Canada, IFMBE Proceedings 51, DOI: 10.1007/978-3-319-19387-8_25 (4 Seiten)</i>
15	Heinke M., Kühnert H., Heinke T., Tumampos J., Dannberg G.	Electrical Left Atrial Conduction Delay with Focused Trans-esophageal Electro-cardiography in Cardiac Resynchronization Therapy	<i>D.A. Jaffray (ed.), World Congress on Medical Physics and Biomedical Engineering, June 7-12, 2015, Toronto, Canada, IFMBE Proceedings 51, DOI: 10.1007/978-3-319-19387-8_255 (4 Seiten)</i>
16	Hensel S., Strauß T., Marinov M.	Eddy current sensor based velocity and distance Estimation in rail vehicles	<i>IET Science, Measurement & Technology, Vol. 9 Issue 7, October 2015, S. 875 - 888</i>
17	Ismer B., Nagel A., Kroll K., Haber T., Perez Escobar L., Haertig J., Melicherck J.	Semi-invasive determination of interventricular conduction delays in CRT patients in sinus rhythm (SR) or atrial fibrillation (AF) in comparison with healthy	<i>Proceeding of Europace Cardiostim 2015, Jun 21-24, Milan, Italy. Europace Supplement (2015) 17 Supplement 3: iii 48</i>
18	Khan S., Dalirhassanzad M., Reich W., Hilterhaus R.	Simultaneous Online Modeling of the Secondary Path and Neutralization of the Feedback Path in an Active Noise Control System	<i>Proceedings of the EURONOISE 2015 Conference, May 31st to June 3rd, 2015, Maastricht, Netherlands, pp. 2171-2176.</i>
19	Mackensen E., Lurz C., Reichert A., Köbler J.	Enhancing the motivation and success of freshman students in interdisciplinary engineering degree programs	<i>Proceedings of the IEEE Global Engineering Education Conference (EDUCON). Tallinn, March 2015. Pages: 659-667</i>
20	Mamo F.T., Sikora A.	Application Protocols for the IPv6-based Internet of Things	<i>embedded world conference 2015, Nuremberg, 24.-26. Feb. 2015 - http://www.embedded-world.eu, in 2015 keine Seitenzahlen</i>

21	Mamo F.T., Sikora A.	Implementation of Standardized 6LoWPAN Based Application Layer Protocols	<i>8th IEEE International Conference on Intelligent Data Acquisition and Advanced Computing Systems: Technology and Applications (IDAACS2015), 24-26 September 2015, Warsaw, Poland, Proc. S. 817-822</i>
22	Mayer A., Mayer E., Mayer M., Jäger P., Ruile W., Bleyl I., Wagner K.	Effective Nonlinear Constants for SAW Devices from FEM Calculations	<i>Proceedings of the 2015 IEEE Ultrasonics Symposium, Taipei, October 21-24, Paper 000481, DOI: 10.1109/ULTSYM.2015.0055.</i>
23	Niro S., Lopez J. M., Westhoff D., Christ A.	A Keyless Gossip Algorithm Providing Light-Weight Data Privacy for Prosumer Markets	<i>SASO Workshops 2015: pp. 31-36</i>
24	Niro S., López J., Westhoff D., Christ, A.	A Keyless Gossip Algorithm Providing Light-Weight Data Privacy for Prosumer Markets	<i>Third Internat. Workshop on Self-Adaptive & Self-Organising Socio-Technical Systems at the 9th IEEE Internat. Conference on Self-Adapt. & Self-Org. Systems (SASO) SASOST 2015, Cambridge, MA, USA, September 25, 2015</i>
25	Niro S., Trahasch S.	Comparison of virtual metrology algorithms and model update techniques for a low volume contact etch process	<i>15th European apc m Conference in Freising (Munich) 2015, 1 Seite</i>
26	Nsiah A. K., Sikora A., Walz A., Yushev A.	Embedded TLS1.2 Implementation for Smart Metering & Smart Grid Applications	<i>Journal of Electronic Science and Technology, Vol. 13, No. 4, Dec. 2015, S. 373-378</i>
27	Nuß U.	Feedback Control Systems for Power Electronics	<i>Tagungsband OTTI-Seminar Power Electronics for Photovoltaics, München, 8./9.06.15, S. 247-288</i>
28	Nuß, U.	Drehzahlzustandsregelung	<i>Schröder, Dierk (Hrsg.): Elektrische Antriebe –Regelung von Antriebssystemen. 4. Auflage. Springer Vieweg Verlag, Berlin, Heidelberg; S. 811 -834. 978-3-642-30095-0 (Buchbeitrag)</i>
29	Nuß, U.	Stromzustandsregelung	<i>Schröder, Dierk (Hrsg.): Elektrische Antriebe – Regelung von Antriebssystemen. 4. Auflage. Springer Vieweg Verlag, Berlin, Heidelberg; S. 772 - 810. 978-3-642-30095-0 (Buchbeitrag)</i>
30	Ortega Clavero V., Weber A., Schröder W., Curticapean D.	Potential use of the characteristic Raman lines of toluene (C7H8) as a reference on the spectral analysis of fuel blends	<i>Proc. SPIE 9525, Optical Measurement Systems for Industrial Inspection IX, 95254G (June 22, 2015) - doi:10.1117/12.2185100 - 7 Seiten</i>
31	Ortega-Clavero V., Salazar-Solano V., Weber A., Schröder W., Javahiraly N., Meyrueis P., Moreno-Dena J.M.	Possible use of Raman spectroscopy as a tool for analysis in production and quality control of bacanora	<i>Rev. fitotec. mex vol.38 no.2 Chapingo abr./jun. 2015 Revista fitotecnica mexicana versión impresa ISSN 0187-7380 - p. 145-152</i>
32	Otte A.	Bildgebende Verfahren in der Archäologie: ein neues Einsatzgebiet in der Medizintechnik	<i>horizonte 45/ April 2015, ISSN 1432-9174, S. 3-5</i>

33	Otte A., Beck A.	Hirntumor bei einer 4500 Jahre alten Mumie: Nicht nur ein Problem der Neuzeit	<i>Ärzteblatt Baden-Württemberg 2015; 70 (1): 18.</i>
34	Otte A., Hoppe H.	Hybrid SPECT/US	<i>Radiology 2015; 274: 304/5</i>
35	Otte A.	Public comment on: Fu P, Zhang F, Gao J, Jing J, Pan L, Li D, Wei L. NeuroGam software analysis in epilepsy diagnosis using 99mTc-ECD brain perfusion SPECT	<i>Med Sci Monit 2015; 21:2801-2808. Link: http://www.medscimonit.com/abstract/index/idArt/894566/act/3</i>
36	Otte A.	Who is Who? Joseph Fourier	<i>horizonte 46/ Oktober 2015, ISSN 1432-9174, S. 54</i>
37	Phuong N.M., Schappacher M., Sikora A.	Erweiterungen des IEEE802.15.4 für extrem energiesparende echtzeitfähige Funkkommunikation	<i>VDE Mikrosystemteknikkongress, 26.-28. Oktober 2015, Karlsruhe, S. 696-699</i>
38	Phuong N.M., Schappacher M., Sikora A., Ahmah Z., Muhammad A.	Real-time Water Level Monitoring Using Low-Power Wireless Sensor Network	<i>embedded world conference 2015, Nuremberg, 24.-26. Feb. 2015 - http://www.embedded-world.eu, in 2015 keine Seitenzahlen</i>
39	Riemann D., Nissen C., Palagini L., Otte A., Perlis M.L., Spiegelhalder K.	The neurobiology, investigation, and treatment of chronic insomnia	<i>Lancet Neurol 2015; 14 (5): 547-558. DOI 10.1016/S1474-4422(15)00021-6</i>
40	Schappacher M., Schmitt E., Sikora A., Weber P., Yushev A.	A Flexible, Modular, Open-Source Implementation of 6LoWPAN	<i>8th IEEE International Conference on Intelligent Data Acquisition and Advanced Computing Systems: Technology and Applications (IDAACS2015), 24-26 September 2015, Warsaw, Poland, S. 838-844</i>
41	Selman B., Haber T., Altmann S., Kleister G., Dizdari X., Härtig J., Melichercik J., Ismer B.	Physics of Radiofrequency Ablation in-vitro Teaching System for Physicians and Medical Engineering Students	<i>Proceedings of 2nd International Conference on Creative Education, Jun 27-28, London, UK. Advances in Education Sciences, Vol 10, pp. 607-610</i>
42	Serezghina M., Moschevikin A., Evmenchikov R., Sikora A.	Using Radiating Cable for Time-of-Flight CSS Measurements Indoors and Outdoors	<i>8th IEEE International Conference on Intelligent Data Acquisition and Advanced Computing Systems: Technology and Applications (IDAACS2015), 24-26 September 2015, Warsaw, Poland, S. 91-101</i>
43	Sikora A., Toumassian S.	Dynamic Thermal Management for Homogeneous Embedded Multicore Processors: Thermal Modeling, System Environment and Measurement Results	<i>Int'l Journal of Computer and Electrical Engineering, Vol.7, No. 4, August 2015, S. 223-231</i>
44	Strohm, P. T., Wittmer, S., Haberstroh, A., Lauer, T.	GPU-Accelerated Quantification Filters for Analytical Queries in Multidimensional Databases	<i>New Trends in Database and Information Systems II, Advances in Intelligent Systems and Computing Volume 312, Springer, 2015, pp. 229-242</i>
45	Strohm P. T., Wittmer S., Haberstroh A., Lauer	PU-Accelerated Quantification Filters for Analytical Queries in Multidimensional Databases	<i>New Trends in Database and Information Systems II, Advances in Intelligent Systems and Computing Vol-</i>

	T.		<i>ume 312, Springer, 2015, pp. 229-242</i>
46	Tauchmann D., Sikora A.	Experiences and Measurements with Bluetooth Low Energy (BLE) Enabled and Smartphone Controlled Embedded Applications	<i>Int'l Journal of Electronics and Electrical Engineering, Vol. 3, No. 4, Aug. 2015, pp. 292-296</i>
47	Trahasch S., Zimmer M., Kra- watzeck R.	Agile Business Intelligence. In Theorie und Praxis	<i>S. Trahasch & M. Zimmer (Eds.), Edition TDWI. Agile Business Intelligence (1st ed., pp. 1–20). Heidelberg, Neckar: dpunkt. 2015</i>
48	Trahasch, S., von Suchodoletz, D., Münchenberg, J., Rettberg, S., Rößler, C.	Plattform für die effiziente Bereitstel- lung von Lehr- und Klausurumgebun- gen	<i>Hans Pongratz & Reinhard Keil (Eds.): Vol. 247. LNI, DeLFI 2015 - Die 13. e-Learning Fachtagung Informatik der Gesellschaft für Informatik e.V. (GI), München, 1.-4. September 2015 (pp. 291–297). GI.</i>
49	Treffinger P., Schmidt M.	Ausgewählte Aspekte von Windenergie- anlagen an komplexen Standorten	<i>Windenergie/Storenergy - expo & con- gress, 18./19. 11 2015, Offenburg. 2015. url: http://www.windenergie-offen- burg.de/de/wind_kongressesecured_2 (Retrieved 2015-12-21)</i>
50	Tumamos J., Wulf N., Kühnert H., Solbrig O., Querengässer J., Heinke M.	Cardiac index in atrio- and interven- tricular delay optimized cardiac resynchro-nization therapy and cardiac contractility mod- ulation	<i>Current Directions in Biomedical Engineer- ing 2015; 1:89–91, DOI: 10.1515/CDBME- 2015-0023 (3 Seiten)</i>
51	Vállez Garcia D., Otte A., Dierckx R.A.J.O., Doordu- in J.	Three months follow-up of mild trau- matic brain injury in rats: a combined [18F]FDG and [11C]PK11195 PET study	<i>EANM 2015. Eur J Med Mol Imaging 2015; 42 (suppl. 1): pp. 583-584 [P509]. DOI 10.1007/s00259-015-3198-z</i>
52	Vállez Garcia D., Otte A., Willem- sen A.T.M., Dierckx R.A.J.O., Doordu J., Hol- stege G.	Altered Regional Cerebral Blood Flow in Chronic Whiplash Associated Disorder	<i>Eur J Med Mol Imaging 2015; 42 (suppl. 1): pp. 216-217 [OP514]. DOI 10.1007/s00259-015-3198-z</i>
53	Vállez-Garcia D., Otte A.	Nuclear medicine imaging in concus- sive head injuries in sports	<i>Glaudemans AWJM, Dierckx RAJO, Gielen JLMA, Zwerver J. (eds). Nuclear medicine and radiological imaging in sports injuries. Springer Berlin, Heidelberg, New York, Dordrecht, London, 2015, ISBN 978-3-662- 46490-8, ISBN 978-3-662-46491-5 (eBook), pp. 1085-1105</i>
54	Wendt M., Volk T., Mackensen E.	A benchmark survey of Long Range (LoRaTM) Spread- Spectrum-Communication at 2.45 GHz for safety applications	<i>Online Proceedings of the 16th IEEE MTT- S WAMICON, Wireless an Microwave Technology Conference (IEEE WAMICON- 2015), Cocoa Beach, Florida, USA, April 2015, pp. 1-4.</i>
55	Wendt T., Volk F., Mackensen E.	LoRaTM - eine sichere Funk-technik mit 2,45 GHz	<i>Proceeding, Kongress: Forum Funktionale Sicherheit, Hilton Munich Airport, 7.- 9. Juli 2015, S. 1-6</i>

56	Wendt T.M., Volk F., Mackensen E	Wireless in Safety Critical Applications - benchmarking of Long Range (LoRaTM) Spread – Spectrum - Communication at 2.45 GHz	<i>online Proceedings of 14th IEEE Annual Wireless Telecommunications Symposium, (WTS 2015), New York City, NY, USA, April 2015. pp. 1-6</i>
57	Yushev A., Lehmann P., Sikora A.	Extended Performance Measurements of Scalable 6LoWPAN Networks in an Automated Physical Testbed	<i>embedded world conference 2015, Nuremberg, 24.-26. Feb. 2015 - http://www.embedded-world.eu, in 2015 keine Seitenzahlen</i>
58	Yushev A., Lehmann P., Sikora A., Groza V.F.	Extended Performance Measurements of Scalable 6LoWPAN Networks in an Automated Physical Testbed	<i>2015 IEEE Int'l Instrumentation and Measurement Technology Conference I²MTC, Pisa, 11.-14. May 2015, S. 1943-1948</i>
59	Yushev A., Walz A., Sikora A.	Securing Embedded Communication with TLS1.2	<i>embedded world conference 2015, Nuremberg, 24.-26. Feb. 2015 - http://www.embedded-world.eu, in 2015 keine Seitenzahlen</i>

Kategorie: Lehrbücher und Lehrbuchbeiträge

Nr.	Autoren	Titel	Verlag
1	Baumann M., Heiland J., Schmidt M.	Discrete Input/Output Maps and their Relation to Proper Orthogonal Decomposition	<i>Numerical Algebra, Matrix Theory, Differential-Algebraic Equations and Control Theory. Springer International Publishing, 2015. S. 585-608</i>
2	Brenner C. (Hsg & Editor Prof. B. Ismer)	Okkluder-Systeme für linkes Vorhof und Atriumseptum-defekte	<i>Reihe Schriften aus dem Peter Osypka Institute for Pacing and Ablation. 2015 ISBN: 978-3-943301-18-2</i>
3	Brudsche M. (Hsg & Editor Prof. B. Ismer)	Aktuelle Anwendungen extra-kardialer Hochfrequenz-ablationen	<i>Reihe Schriften aus dem Peter Osypka Institute for Pacing and Ablation. 2015 ISBN: 978-3-943301-17-5</i>
4	Erens O., Otte A. (Hrsg.)	Geschichte(n) der Medizin – Aus der medizinhistorischen Reihe des Ärzteblattes Baden-Württemberg	<i>Gentner Verlag, Stuttgart, 1. (modifizierter) Nachdruck 2015 der 1. Auflage 2014, ISBN 978-3-87247-763-7</i>
5	Nuß U.	Stromzustandsregelung	<i>In Schröder, Dierk: Elektrische Antriebe – Regelung von Antriebssystemen, 4. Auflage, S. 772 – 810, Berlin, Heidelberg, Springer Vieweg Verlag, 2015</i>
6	Nuß U.	Drehzahlzustandsregelung	<i>In Schröder, Dierk: Elektrische Antriebe – Regelung von Antriebssystemen, 4. Auflage, S. 811 – 834, Berlin, Heidelberg, Springer Vieweg Verlag, 2015</i>
7	Otte A., Erens O.	Der Mathematiker und Physiker, dem nicht nur Ärzte bis heute vertrauen	<i>Otte A., Erens O. (Hrsg.). Gentner Verlag, Stuttgart, 2015, ISBN: 978-3-87247-770-5; S. 57-61</i>
8	Otte A., Erens O. (Hrsg.)	Geschichte(n) der Medizin, Band 2	<i>Gentner Verlag, Stuttgart, 1. Auflage 2015, ISBN 978-3-87247-770-5</i>
9	Trahasch S., Zimmer M.	Agile Business Intelligence: Theorie und Praxis	<i>(2015). Edition TDWI. Agile Business Intelligence: Theorie und Praxis (1. Aufl.). Heidelberg, Neckar: dpunkt. 300 Seiten</i>

10	Vállez-García D., Otte A.	Nuclear medicine imaging in concussive head injuries in sports	<i>Nuclear medicine and radiological imaging in sports injuries. Springer Berlin, Heidelberg, New York, Dordrecht, London, 2015, ISBN 978-3-662-46490-8, ISBN 978-3-662-46491-5 (eBook), pp. 1085-1105</i>
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Kategorie: Erfindungen

Typ: Patentanmeldung

Nr.	Autoren	Titel	Verlag
1	Christ A., Felhauer T., Schüssele L., Weber C., Peter M.	Verfahren und Vorrichtung zur automatischen Klassifikation des Modulationsformats eines digital modulierten Signals	<i>Deutsche Anmeldung: DE 10 2015 107 553.9 am 13.05.2015</i>