

The permanent task of the Faculty is to increase the publication activity in quality journals which are indexed in international professional databases.

Publication activities at the FEE (based on registration at the University Library up to February/March of the relevant year):

Year	Monographs and university textbooks	Scientific works in journals	Scientific publications in Conference pub.	Patents, Utility Models	Others (Scripts, etc.)
2008	8	126 (8*)	196	0	69
2009	4	89 (11*)	231	1	29
2010	4	76(12*)	246	3	49
2011	4	86 (13*)	219	2	70
2012	4	76 (12*)	223	8	65
2013	12	107 (18*, 36**)	198	1	94
2014	5	89 (24*, 23**)	257	7	28
2015	10	84 (16*, 45**)	209	3	25
2016	4	61 (24*, 27**)	243	12	36

\* out of which indexed in Current Contents Connect database

\*\* out of which indexed in SCOPUS or Thomson Scientific Master Journal

#### Monographs

- (1) PYRHONEN, Juha – HRABOVCOVÁ, Valéria – SEMKEN, R. Scott: *Electrical Machine Drives Control: An Introduction*, WILEY, UK, Chichester, West Sussex, UK, 2016, ISBN 978-1-119-26045-5, pp. 504. (in English)

#### Books and textbooks

- (2) BRANDT, Martin: *Analysis of frequency responses of power transformers by the method SFRA*, Žilina: University of Žilina, 2016, ISBN 978-80-554-1216-0, pp. 136. (in Slovak)
- (3) JARINA, Roman – POČTA, Peter: *Technologies for processing and coding of speech signals*, EDIS Žilina, 2015, ISBN 978-80-554-1176-7, pp. 153. (in Slovak)
- (4) JUREČKA, Stanislav: *Theory of Electromagnetic Field*, Žilina: EDIS, 2016, ISBN 978-80-554-1179-8, pp. 178. (in Slovak)

#### Lecture Notes

- (1) KAMENCAY, Patrik - BENČO, Miroslav: *Digital Signal Processing - lecture notes*, Žilina, EDIS, 2016, ISBN 978-80-554-1190-3, pp. 120. (in Slovak)
- (2) OTČENÁŠOVÁ, Alena – REGULÁ, Michal: *Power quality - instructions for exercises*, EDIS, University of Žilina, 2016, Žilina, ISBN: 978-80-554-1264-1, pp. 87. (in Slovak)
- (3) LITVAJ, Ivan: *Fundamentals of Quality Management*, LAP LAMBERT Academic Publishing, Germany, 2016, ISBN: 978-3-659-87454-3, pp. 65. (in English)

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- (1) MÜLLEROVÁ, Jarmila – KAISER, Michal – NÁDAŽDY, Vojtech – ŠIFFALOVIC, Peter – MAJKOVÁ, Eva: Optical absorption study of P3HT:PCBM blend photo-oxidation for bulk heterojunction solar cells, In: *Solar Energy*, Vol. 134, 2016, ISSN 0038-092X, p. 294-301.
- (2) ĚLO, Ivan – TOMÁŠIK, Boris: Reconstructing the final state of Pb+Pb collisions at  $\sqrt{s_{NN}}=2.76$  TeV, In: *J. Phys.*, Vol. 43, No. 1, 2016, 015102, ISSN 0954-3899, pp. 8.
- (3) JŇOZ-SENOVILLA, Laura – BÍREŠOVÁ, Jana, HOCKICKO, Peter – MUŇOZ, Francisco: Investigation of the relationships between acoustic attenuation and ionic conduction of metaphosphate glasses, In: *Journal of Non-Crystalline Solids*, Vol. 440, 2016, ISSN 0022-3093, p. 26-30.
- (4) DELČÍK, Jozef – HARDOŇ, Štefan – BURY, Peter – KOPČANSKÝ, Peter – TIMKO, Milan: Acoustic

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- (5) ČIK, Daniel – TATAR, Peter – TUREK, Ivan: Locally pressed etched optical fiber with PDMS coating for a sensor application, In: *Optik*, Vol. 127, iss. 14, 2016, ISSN 0030-4026, p. 5631-5635.
  - (6) TAR, Peter – KÁČIK, Daniel – TARJÁNYI, Norbert: Fluorescein filled photonic crystal fiber sensor for simultaneous ultraviolet light and temperature monitoring, In: *Optical Fiber Technology*, 2016, ISSN 1068-5200, p. 8 – 11.
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  - (9) ARTINČEK, Ivan: Fabrication and characterisation of polysiloxane optical fiber microring interferometers, In: *Microwave and optical technology letters*, Vol. 58, No. 12, 2016, ISSN 1098-2760, p. 2876-2879.
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  - (12) JANDURA, Daniel – PUDIŠ, Dušan – KUZMA, Anton: Fabrication technology for PDMS ridge waveguide using DLW, In: *Optik* 127, 2016, ISSN 0030-4026, p. 2848-2851.
  - (13) ŽUKOWSKI, Pawel – KOŁTUNOWICZ, N. Tomasz – KIERCZYŃSKI, Konrad – ROGALSKI, Przemysław – SUBOCZ, Jan – SZROT, Marek – GUTTEN, Miroslav – ŠEBÖK, Milan – JURČÍK, Jozef: Permittivity of a composite of cellulose, mineral oil, and water nanoparticles: theoretical assumptions, In: *Cellulose*, Vol. 23, No. 1, 2016, ISSN 0969-0239, p. 175-183.
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  - (15) KONIAR, Dušan – HARGAŠ, Libor – LONCOVÁ, Zuzana – DUCHOŇ, František – BEŇO, Peter: Machine Vision Application in Animal Trajectory Tracking, In: *Computer methods and Programs in Biomedicine*, Vol. 127, 2016, ISSN 0169-2607, p. 258-272.
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- (23) VIŠNOVCOVÁ, Zuzana – MEŠŤANÍK, Michal – GÁLA, Michal – MEŠŤANÍKOVÁ, Andrea – TONHAJZEROVÁ, Ingrid: The complexity of electrodermal activity is altered in mental cognitive stressors In: *Computers in Biology and Medicine*, No. 79, 2016, ISSN 0010-4825, p. 123-129.
- (24) DEŽELAK, Kelemen – BRACINÍK, Peter – HÖGER, Marek – OTČENÁŠOVÁ, Alena: Comparison between the particle swarm optimisation and differential evolution approaches for the optimal proportional - integral controllers design during photovoltaic power plants modelling, *IET Renewable Power Generation*, UK, 2016,01,6., ISSN 1752-1416, pp. 9.

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- (1) SCHOLTZ, Ľubomír – LADÁNYI, Libor – MÜLLEROVÁ, Jarmila: Interfacial roughness and temperature dependence of narrow band thin film filters for the DWDM passive optical networks, In: *Advances in Electrical and Electronic Engineering*, Vol. 14, No. 1, 2016, ISSN 1804-3119, p. 75-82.
- (2) MENKYNA, Róbert: On the differences of lower semicontinuous functions, In: *Real Analysis Exchange*, Vol. 41, No. 1, 2016, ISSN 1930-1219, p. 123-126.
- (3) MELO, Ivan – TOMÁŠIK, Boris: Blast wave fits with resonances to pt spectra from nuclear collisions at the LHC, *J. Phys. Conf. Series*, Vol. 668, 2016, art. no. 012070, ISSN 1742-6588.
- (4) FAKTOROVÁ, Dagmar – LUPTÁKOVÁ, Eva: The implementation of microwave methods for dielectric constant of blood phantoms assessment, In: *International Journal of Applied Electromagnetics and Mechanics*, Vol. 52, No. 3-4, ISSN 1383-5416, p. 1697-1702.
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- (7) PIRI, Marek – ŠPÁNIK, Pavol – FRIVALDSKÝ, Michal – KONDELOVÁ, Anna: Wireless (Power Transfer) Transmission of Electrical Energy (Electricity) Intended for Consumer Purposes up to 50 W, In: *Advances in Electrical and Electronic Engineering*, Vol. 14, No. 1, 2016, ISSN 1336-1376 (Print), ISSN 1804-3119 (Online), p. 40-48.
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- (2) SCHOLTZ, Ľubomír – SOLANSKÁ, Michaela – LADÁNYI, Libor – MÜLLEROVÁ, Jarmila: Analysis of spectral response of optical switching devices based on chalcogenide bistable fiber Bragg gratings, In: *20th Slovak-Czech-Polish Optical Conference on Wave and Quantum Aspects of Contemporary Optics: Proceedings of SPIE*. 2016, ISBN 978-80-554-1238-2, p. 1-4.
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