

Universitatea Nationala de Stiinta si Tehnologie POLITEHNICA din București
Facultatea de INGINERIE ELECTRICA

Cadrul didactic: CONF. Dr. Ing. Felix Adochiei

LISTA

lucrărilor științifice în domeniul disciplinelor din postul didactic

I. Teza de doctorat

**„CONTRIBUȚII LA PROCESAREA SEMNALELOR BIOLOGICE FOLOSIND
SISTEME ÎNCORPORATE” – 15 Noiembrie 2013**

II. CĂRȚI PUBLICATE (C)

Ca – Cărți / cursuri (manuale) pentru uzul studenților, publicate în edituri recunoscute.

Internationale:

1. Mirce Covrig, **Felix Adochiei**, Vasilis Kikiss Stergios, Electromechanical converters, Selected Topics in Applied Electrotechnics, Ed. IWN , Atena, 2012, ISBN: 978-960-508-052-5.

Nationale:

1. **F. Adochiei**, “Metode Inovative pentru Investigarea Cuplărilor Biosistemelor Dinamice Complexe”, PRINTECH Publisher, ISBN: 978-606-23-0714-1, 2016.
2. G. G. ANDRUSEAC, **Felix ADOCHIEI**, “Proiectarea, dezvoltarea și implementarea bazelor de date medicale”, Editura PRINTECH, București 2016, ISBN: 978-606-23-0712-7.
3. Seritan, G, **Adochiei, F**, Argatu, F, Cepisca, C, Senzori biomedicali si instrumentatie, Ed. Politehnica Press, Bucuresti, 2015 ISBN 978-606-515-650-0

Cb - Cărți de specialitate publicate în edituri recunoscute (autor, coautor, editor).

Cc - Cărți publicate în alte edituri, cu ISBN.

III. ALTE MATERIALE PUBLICATE (I,D)

I - Culegeri și Îndrumare publicate (separate în edituri cu ISBN și în tipografii locale/de instituții sau de uz intern).

1. Florin Ciprian ARGATU, George Călin SERIȚAN, **Felix Constantin ADOCHIEI**, Bogdan-Adrian ENACHE, Costin CEPIȘCĂ, Sorin Dan GRIGORESCU, SENZORI BIOMEDICALI - Îndrumar de laborator, Ed. Politehnica Press, București, 2018, ISBN 978-606-515-803-0
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3. Seritan, G, Cepisca, C, **Adochiei, F**, Argatu, F, Ancuta, F, Masurari electrice si electronice, Ed. Politehnica Press, Bucuresti, 2015, ISBN 978-606-515-609-8
4. G. Seritan, C. Cepisca, **F. Adochiei**, F. Argatu, F. Ancuta, "Masurarea marimilor electrice in energetica", Ed. Politehnica Press, Bucuresti, 2015, ISBN 978-606-515-629-6.

D - Alte lucrări publicate: capitole publicate în volume colective, capitole teoretice redactate, sisteme de laborator funcționale etc.

IV. ARTICOLE / STUDII IN EXTENSO PUBLICATE (R,V)

Ris - Reviste de specialitate de circulație internațională recunoscute (cotate / indexate WOS, sau indexate în alte BDI specifice domeniului, care fac un proces de selectie a revistelor pe baza unor criterii de performanta). *Se mentioneaza la fiecare lucrare includerea in Baza WOS [Accession Number, WOS, ultimul Factor Impact, ISSN] si/sau denumirea altei BDI.*

Lucrări indexate in reviste ISI:

1. George-Călin Serițan, Bogdan-Adrian Enache, Radu Porumb, Florin-Ciprian Argatu, **Felix Constantin Adochiei**, Vita Vasiliki, Improvement Of Teaching Activities In Higher Education, Revue Roumaine Des Sciences Techniques-Serie Electrotechnique Et Energetique. Vol. 63, 4, Pp. 437–440, Bucarest, **2018**, Issn: 0035-4066, **Impact factor 2012: 1.140, Wos:000459843500014**
2. Pasarica, G. Andruseac, I. Adochiei, C. Rotariu, H. Costin, **F. Adochiei**, "Remote Control of an Autonomous Robotic Platform Based on Eye Tracking", Advances in Electrical and Computer Engineering, Publication Year: 2016, Page(s): 95 – 100, DOI: 10.4316/AECE.2016.04015, ISSN: 1582-7445, eISSN: 1844-7600, **Impact factor 2016: 0.46** – grey area paper, **WOS:000390675900015**
3. Gladiola Gabriela Andruseac, Madalina Postaru, **Felix Adochiei**, Cristian Rotariu, Corina Cheptea, Anca Irina Galaction, "The integration of robotic technology into biotechnology education", Conference: European Biotechnology Congress Location: Bucharest, ROMANIA Date: MAY 07-09, **2015**, JOURNAL OF BIOTECHNOLOGY Volume: 208 Supplement: S Pages: S49-S49, Published: AUG 20 2015, ISSN: 0168-1656, eISSN: 1873-4863, DOI: 10.1016/j.jbiotec.2015.06.143, **Impact factor 2.667, WOS:000359087000143**
4. Dimitriu, Daniela Cristina, Petrescu, Elena Danila, Jitaru, Daniela, Andruseac, Gabriela Gladiola, Tiganescu, Tudor Viorel, **Adochiei, Felix Constantin**, Voicu, Elena Andreea, Edu, Ioana Raluca, "Research on the prevalence of two polymorphisms of lipoprotein lipase gene in patients with metabolic syndrome", Conference: European Biotechnology Congress Location: Bucharest, ROMANIA Date: MAY 07-09, **2015**, JOURNAL OF BIOTECHNOLOGY Volume: 208 Supplement: S Pages: S49-S49, Published: AUG 20 2015, ISSN: 0168-1656, eISSN: 1873-4863, DOI: 10.1016/j.jbiotec.2015.06.262, **Impact factor 2.667, WOS:000359087000262**
5. GEORGE-CALIN SERITAN, Bogdan-Adrian ENACHE, **Felix Constantin ADOCHIEI**, Florin Ciprian ARGATU, Christos A CHRISTODOULOU, Vita Vasiliki "Performance

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6. **FC Adochiei**, SN Arghir, IR Adochiei, FC Argatu, GC Seritan, et. All, „The Power of Play: Strategies for Enhancing Development in Children with Autism Spectrum Disorders”, Sensors 24 (20), 6720, **2024**, **Impact factor 3.4**
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2. "R Ciucu, **FC Adochiei**, Ioana-Raluca Adochiei, F Argatu, GC Seritan, B Enache, S Grigorescu, Violeta Vasilica Argatu, Innovative Devops for Artificial Intelligence, The Scientific Bulletin of Electrical Engineering Faculty, pp: 58-63; **2019**, DOI: <https://doi.org/10.1515/sbeef-2019-0011>, Baza de date Copernicus, <https://journals.indexcopernicus.com/search/details?id=22480>
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Rio – Alte reviste de specialitate de circulație internațională.

Rns - Reviste de specialitate de circulație națională recunoscute de CNCSIS. Se menționează Categoria CNCSIS.

Rno - Alte reviste de specialitate de circulație națională.

Vis- Volumele unor manifestări științifice internaționale recunoscute, organizate în țară și străinătate, indexate WOS sau indexate în alte BDI specifice domeniului, care fac un proces de selecție a publicațiilor pe baza unor criterii de performanță. *Se menționează la fiecare lucrare includerea în Baza WOS [WOS Proceedings, Accession Number, WOS, ISSN] și/sau denumirea altei BDI.*

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a) Prim-autor

1. **ADOCHIEI Felix Constantin**, NICOLESCU Șerban - teodor, Ioana-Raluca Adochiei, SERITAN GEORGE-CALIN, ENACHE Bogdan-Adrian, ARGATU Florin Ciprian, Diana Costinel, Electronic System for Real-Time Indoor Air Quality Monitoring, **2020**, 2020 International Conference on e-Health and Bioengineering (EHB), 1-4, **WOS: 000646194100066**
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 22. "T. L. Grigorie, S. D. George, P. Negrea, **F. Adochiei** and I. E. Adochiei, ""Experimental validation of a low-cost integrated INS/GPS navigator for assistive positioning,"" 2015 EHB

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 29. Teodor Grigorie, Ioana Edu, **Felix Adochiei**. TRENDS IN THE DEVELOPMENT OF MINIATURE OPTICAL ACCELEROMETERS. (2014), 14th International Multidisciplinary Scientific Geoconference (SGEM), pp. 1-4; JUN 17-26, 2014, Albena, BULGARIA, DOI: 10.5593/SGEM2014/B61/S24.028, ISSN: 1314-2704, ISBN: 978-619-7105-20-9, **WOS:000366136600028**
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 13. Edu, Ioana-Raluca; **Adochiei, Felix-Constantin**; Negrea, P; Rotaru, Constantin; Grigorie, Teodor Lucian; "New Tuning Method of the Wavelet Function for Inertial Sensors Signals Denoising", Advances in Applied and Pure Mathematics, CSCC'14, 2014, pp: 153-157;ISBN:

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14. Ioana EDU, **Felix ADOCHIEI**, Narcis ADOCHIEI, Nicolae JULA, Unexpected cardiovascular coupling in schizophrenia, 8 th International Conference on Microelectronics and Computer Science, Chisinau, Republic of Moldova, October 22-25, 2014, pp: 414-416; Baza de date EBSCO; http://www.icmcs.utm.md/icmcs_2014/volumul/Volume%201/Sectii/C_bs/2_Edu_icmcs_2014_paper_02.10%20-%20felix%20_1_.pdf
15. Hariton Costin, Steffen Schulz, Karl-Jürgen Bär, Ioana Alexa, **Felix Adochiei**, Andreas Voss; Increased QT Variability Index as a Marker for a Cardiac Autonomic Dysregulation in Schizophrenia; 2013 E-HEALTH AND BIOENGINEERING CONFERENCE (EHB), NOV 21-23, 2013, Iasi, ROMANIA, pp. 1-4; Baza de date IEEE Xplore; ISSN: 2575-5137, eISSN: 2575-5145, ISBN: 978-1-4799-2372-4, WOS:000346672900101

Vi - Volumele unor manifestări științifice internaționale recunoscute, organizate în țară și străinătate;

Vn - Volumele unor manifestări științifice naționale.

1. T.L. Grigorie, I.R. Edu, F.C. Adochiei, R.M. Botez, "Denoising of the gyro data for inertial positioning based JSD method and wavelet transform". 39th ARA (American Romanian Academy of Arts and Sciences) Congress, National Institute of Nuclear Physics, Frascati, Roma, Italy, 2015
2. Edu, I.R., Adochiei, F.C., Negrea, P., Rotaru C., Grigorie, T.L., "Tuning Method of the Wavelet Function for Gyro Sensor Signals Denoising with Wavelet Transform", International Conference of Aerospace Sciences "AEROSPATIAL 2014", 18 - 19 September, 2014, Bucharest, Romania, ISSN: 2067-8614, pp. 305-310

V. BREVETE DE INVENȚIE / INOVAȚII SAU CREAȚII ARTISTICE (B,A)

B - Brevete de invenție.

-, Biomonitoring system for persons subjected to tests based on virtual reality in virtual cube with immersion – 2020, RO134535-A2, GEORGE-CALIN SERITAN, COSTIN C.V. CEPISCA, Sorin Dan S GRIGORESCU, Florin Ciprian Gh ARGATU, Cosmin Karl BANICA, Felix Constantin ADOCHIEI, Bogdan-Adrian EBA, RADU-FLORIN D PORUMB

A - Inovații sau creații artistice.

VI. CONTRACTE ȘI RAPOARTE ȘTIINȚIFICE (P,F)

P – Proiecte de cercetare-dezvoltare – inovare obținute prin competiție, pe bază de contract/grant, în țară/străinătate (**Pn** – naționale, **Pi** - internaționale).

F – Alte lucrări de cercetare – dezvoltare

Obs.-a se menționa calitatea de responsabil/director sau coautor:

Pi1 - “An Integrated Platform for Increased FLEXibility in smart TRANSmision grids with STORage Entities and large penetration of Renewable Energy Sources”, European Union’s Horizon 2020 research and innovation programme under grant agreement No 774407 - **membru in echipa de cercetare**

Pn1 - „Sistem inteligent de evaluare si interpretare automata a comportamentului disimulat pentru personalul din infrastructuri critice -VISINT” - Cod proiect 122226 - **membru in echipa de cercetare**

Pn2 - Proiect 121220 - Platfonne robotice polimorfe autonome pentru sistemul de servicii din Smart City (ProSSSy) - Cod MySMIS 121220 - **membru in echipa de cercetare**

Pn3 - „Sistem sinergic strap-down de navigație inerțială bazat pe fuziunea datelor achiziționate de la structuri INS/MAGNETO/GPS de tipul MEMS, pentru poziționarea globală cu înaltă precizie a echipamentelor aeroportate” - Nr. crt - 19/06.02.2019, Nr. intern ET01-19-03, Activitate - 4000,228 – **DIRECTOR DE PROIECT**

Pn4 - "SensAssist -Sistem inteligent de monitorizare a starii de sanatate in retea" - COFUND-ERANET MANUNET III-SensAssist-1- **membru in echipa de cercetare**

Pn5 - „Semafor inteligent cu tehnologie LED pentru creșterea siguranței transportului feroviar”, PN-III-CERC-CO-PTE-2016, October 2016 – Octombrie 2018. - **membru in echipa de cercetare**

Pn6 - “IZOCOMTEST - Analiza și testarea distribuției câmpului electric la izolatoare din materiale compozite pentru creșterea siguranței în funcționare”, Contract type PNIII-P2-2.1-BG-2016-0346, October 2016 – Octombrie 2018. - **membru in echipa de cercetare**

Pn7 - "Bio-monitoring of vital parameters platform in the operation of critical infrastructures", Contract no. AST 140 / 23.052014, code SMIS - NSRF 50239, May 2014 – September 2015. - **membru in echipa de cercetare**

Pn8 - "High-Precision Micro and Nano Smart Inertial Navigation Sensors for Space Applications" (PN Nr.27/19.11.2012), STAR, 2012-2014 - **membru in echipa de cercetare**

Pn9- "TELEMON-Integrated real-time remote monitoring of patients and elderly", PNCDI Contract type II, Nr. 11-067 / 18.09.2007 with M.Ed.C.T. - CNMP 2007-2010. - **membru in echipa de cercetare**

Pn10 "Instrument decizional multicriterial pentru accelerarea implementării tehnologiilor de captare CO2 în mediul industrial - CAPSOFT" - 106PTE din 21/06/2022 (PN-III-P2-2.1-PTE-2021-0520) – **director de proiect**

Pn11 Grant de cercetare international, "Development of basic methods to characterize synchronization between left and right hemisphere of the human brain for each EEG channel and EEG clusters applying various synchronization measures in schizophrenia", DEUTSCHER AKADEMISCHER AUSTAUSCHDIENST, PKZ. Referat: A/12/85757, referat 322 – **grant international**

Pn12 „Platforma de biomonitorizare și localizare pentru misiuni militare” – AOSR – **Director de proiect**