

**List of Works**  
**of the candidate Șl. dr. ing. Paul FARAGÓ**

**A. The Most Relevant Scientific Papers**

1. Ilesan, RR; Cordos, CG; Mihaila, LI; Flesar, R; Popescu, AS; Perju-Dumbrava, L; **Farago, P**  
Proof of Concept in Artificial-Intelligence-Based Wearable Gait Monitoring for Parkinson's Disease Management Optimization  
BIOSENSORS-BASEL, vol 12, no. 4, 2022  
DOI: 10.3390/bios12040189  
WOS: 000785291500001  
**Q1, FI: 5.74**
2. **P. Faragó, A.** -S. Popescu, L. Perju-Dumbravă and R. R. Ileşan,  
Wearables as Part of Decision Support System in Parkinson's Disease Prediagnosis: A Case Study  
2022 E-Health and Bioengineering Conference (EHB), Iasi, Romania, 2022, pp. 1-4,  
DOI: 10.1109/EHB55594.2022.9991543.
3. L. Ivanciu, I. A. Ivanciu, **P. Farago**, M. Roman, S. Hintea,  
An ECG-based Authentication System Using Siamese Neural Networks,  
JOURNAL OF MEDICAL AND BIOLOGICAL ENGINEERING  
vol. 41, no. 4, pp. 558-570, 2021  
DOI: 10.1007/s40846-021-00637-9  
WOS:000668062300002
4. **P. Farago**, L. Grama, M. A. Farago, S. Hintea  
A Novel Wearable Foot and Ankle Monitoring System for the Assessment of Gait Biomechanics  
APPLIED SCIENCES-BASEL  
vol. 11 no. 1, 2021  
DOI:10.3390/app11010268  
WOS:000605931400001  
**Q2, FI: 2.83**
5. **Farago Paul**, Galatus Ramona, Hintea Sorin, Bosca Adina Bianca, Feurdean Claudia Nicoleta, Ilea Aranka  
An Intra-Oral Optical Sensor for the Real-Time Identification and Assessment of Wine Intake  
Sensors, vol. 19, no. 21, 2019  
DOI: 10.3390/s19214719  
WOS: 000498834000116  
**Q2, FI: 3.84**
6. R. Galatus, **P. Farago**, P. Miluski, J. A. Valles  
Distributed fluorescent optical fiber proximity sensor Towards a proof of concept  
Spectrochimica Acta Part A-Molecular and Biomolecular Spectroscopy, vol. 198, pp. 7-18, 2018,  
ISSN: 1386-1425  
DOI: 10.1016/j.saa.2018.02.044  
WOS: 000432234800002

**Q1, FI: 4.83.**

7. **P. Faragó**, M. Cirlugea and S. Hintea  
A Novel Smart-Shoe Architecture for Podiatric Monitoring  
2020 43rd International Conference on Telecommunications and Signal Processing (TSP), Milan, Italy, 2020, pp. 180-183  
DOI: 10.1109/TSP49548.2020.9163549  
WOS: 000577106400039  
IEEE
8. **P. Farago**, R. Groza, S. Hintea  
High precision activity tracker based on the correlation of accelerometer and EMG data  
2019 42nd International Conference on Telecommunications and Signal Processing (TSP), JUL 01-03, 2019, Budapest, Hungary, pp. 428-431  
DOI: 10.1109/TSP.2019.8768874  
WOS: 000493442800093  
IEEE
9. **P. Farago**, R. Groza, L. Ivanciu, S. Hintea  
A Correlation-based Biometric Identification Technique for ECG, PPG and EMG  
2019 42nd International Conference on Telecommunications and Signal Processing (TSP), JUL 01-03, 2019, Budapest, Hungary, pp. 716-719,  
DOI: 10.1109/TSP.2019.8768810  
WOS: 000493442800156  
IEEE
10. **P. Farago**, R. Groza, C. Ignat, M. Cirlugea, S. Hintea  
A Fuzzy Expert System for Infection Screening Based on Vital Signs and Activity Data  
2018 41ST INTERNATIONAL CONFERENCE ON TELECOMMUNICATIONS AND SIGNAL PROCESSING (TSP), JUL 04-06, 2018, Athens, Greece, pp. 581-584,  
DOI: 10.1109/TSP.2018.8441355  
WOS: 000454845100129  
IEEE

## **B. PhD thesis**

1. **Faragó Paul**, "Advanced design techniques for some analog reconfigurable circuits", elaborated in English under the guidance of prof. dr. ing. Lelia Feștilă

## **C. Patents**

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## **D. Books and Book Chapters**

1. Mihaela Cirlugea, **Paul Farago**, MATLAB for Students . vol I, Editura U.T. Press, 2019, 116 pagini, ISBN 978-606-737-422-3
2. Sorin Hintea, Gabor Csipkes, Doris Csipkes, **Paul Faragó**, Mihaela Cirlugea, Digital Integrated Circuits, Editura Casa Cărții de Știință, Cluj-Napoca, 2017, 294 pagini, ISBN: 978-606-17-1223-6,

3. **Paul Farago**, Botond Kirei, Gabor Csipkes, Sorin Hintea, Descrierea în VHDL a sistemelor cu circuite integrate digitale – îndrumător de proiectare și simulare, U.T.PRESS, Cluj-Napoca, 2014, 118 pag., ISBN 978-973-662-950-1
4. Sorin Hintea, Gabor Csipkes, Doris Csipkes, Lelia Festila, Robert Groza, **Paul Farago**, Mihaela Cirlugea, Reconfigurable Analog circuits for mobile communication – Variable Topology filters and design automation, Editura Casa Cărții de Știință, Cluj-Napoca, 2011, ISBN 978-606-17-0032-5, 248 pagini

#### **E. Articles/Studies in-extenso, Published in Journals From The Main International Scientific Flow**

##### **ISI**

1. Ilesan, RR; Cordos, CG; Mihaila, LI; Flesar, R; Popescu, AS; Perju-Dumbrava, L; **Farago, P**  
Proof of Concept in Artificial-Intelligence-Based Wearable Gait Monitoring for Parkinson's Disease Management Optimization  
BIOSENSORS-BASEL, vol 12, no. 4, 2022  
DOI: 10.3390/bios12040189  
WOS: 000785291500001  
**Q1, FI: 5.74**
2. L. Ivanciu, I. A. Ivanciu, **P. Farago**, M. Roman, S. Hintea,  
An ECG-based Authentication System Using Siamese Neural Networks,  
JOURNAL OF MEDICAL AND BIOLOGICAL ENGINEERING  
vol. 41, no. 4, pp. 558-570, 2021  
DOI: 10.1007/s40846-021-00637-9  
WOS:000668062300002
3. **P. Farago**, L. Grama, M. A. Farago, S. Hintea  
A Novel Wearable Foot and Ankle Monitoring System for the Assessment of Gait Biomechanics  
APPLIED SCIENCES-BASEL  
vol. 11 no. 1, 2021  
DOI:10.3390/app11010268  
WOS:000605931400001  
**Q2, FI: 2.83**
4. **Farago Paul**, Galatus Ramona, Hintea Sorin, Bosca Adina Bianca, Feurdean Claudia Nicoleta, Ilea Aranka  
An Intra-Oral Optical Sensor for the Real-Time Identification and Assessment of Wine Intake  
Sensors, vol. 19, no. 21, 2019  
DOI: 10.3390/s19214719  
WOS: 000498834000116  
**Q2, FI: 3.84**
5. R. Galatus, **P. Farago**, P. Miluski, J. A. Valles  
Distributed fluorescent optical fiber proximity sensor Towards a proof of concept  
Spectrochimica Acta Part A-Molecular and Biomolecular Spectroscopy, vol. 198, pp. 7-18, 2018,  
ISSN: 1386-1425  
DOI: 10.1016/j.saa.2018.02.044  
WOS: 000432234800002

**Q1, FI: 4.83.**

6. **P. Farago**, R. Groza, S. Hintea, P. Soser  
A Programmable Biopotential Acquisition Front-end with a Resistance-free Current-balancing Instrumentation Amplifier  
*Advances in Electrical and Computer Engineering*, vol. 18, no. 2, 2018, pp. 85 – 92,  
DOI: 10.4316/AECE.2018.02011  
WOS: 000434245000011
7. **P. Faragó**, C. Faragó, G. Oltean, S. Hintea  
An Electronically Tunable Transconductance Amplifier for Use in Auditory Prostheses  
*Advances in Electrical and Computer Engineering*, ISSN: 1582-7445, vol. 15, no. 4, pp. 95 – 100, 2015  
DOI: 10.4316/AECE.2015.04013  
WOS: 000368499800012
8. **P. Farago**, G. Csipkes, D. Csipkes, C. Farago, S. Hintea  
An FPAA Approach to Adaptive Filter Design with Evolutionary Software-driven Reconfiguration  
*Elektronika ir Elektrotechnika*, ISSN: 1392-1215, Vol 20, No 5, pp. 89-96, 2014  
DOI: 10.5755/j01.eee.20.5.5579  
WOS: 000340681800018
9. **P. Farago**, L. Festila, S. Hintea, G. Csipkes, D. Csipkes, P. Soser  
A Transistor-Level Reconfigurable Circuit for Rapid Transconductor Design and Testing  
*Elektronika ir Elektrotechnika*, ISSN 1392-1215, Issue No.1(117), Kaunas Lithuania, pp.99-104, 2012  
DOI: 10.5755/j01.eee.117.1.1062  
WOS: 000300026100020
10. S. Hintea S., **P. Farago**, M. N. Roman, G. Oltean, L. Festila  
A Programmable Gain Amplifier for Automated Gain Control in Auditory Prostheses  
*Journal of Medical and Biological Engineering*, ISSN 1609-0985, Volume 31 No.3, Taiwan, pp.185-192, 2011  
DOI: 10.5405/jmbe.740  
WOS:000294411300005
11. S. Hintea, **P. Farago**, L. Festila, P. Söser  
Reconfigurable Filter Design for Implantable Auditory Prosthesis  
*Journal of Electronics and Electrical Engineering*, ISSN 1392 – 1215, Issue No. 3(99), Kaunas Lithuania, pp. 7–12, 2010  
WOS: 000276030600002

**BDI / B+**

12. L. Ivanciu, **P. Farago**, S. Hintea, A Review Of ECG Based Biometric Systems, *Acta Technica Napocensis – Electronics and Telecommunications*, ISSN 1221-6542, vol. 59, no. 4, pp1-4, 2018  
[https://users.utcluj.ro/~atn/papers/ATN\\_4\\_2018\\_1.pdf](https://users.utcluj.ro/~atn/papers/ATN_4_2018_1.pdf)
13. **P. Faragó**, C. Faragó, S. Hintea, “An ECG Artifact Reduction Methodology Based on Parameter Adaptation of Analog Filters”, *Acta Technica Napocensis – Electronics and Telecommunications*, ISSN 1221-6542, vol. 56, no. 3, pp. 19- 24, 2015  
[https://users.utcluj.ro/~atn/papers/ATN\\_3\\_2015\\_4.pdf](https://users.utcluj.ro/~atn/papers/ATN_3_2015_4.pdf)
14. C Faragó, **P Faragó**, S Hintea, G Oltean, “An Evolutionary FPAA Reconfiguration Algorithm Based on the Open Traveling Salesman Problem”, *Acta Technica Napocensis - Electronics and Telecommunicationc*, ISSN 1221-6542, vol. 56, no. 1, pp. 21-28 ,2015.  
[https://users.utcluj.ro/~atn/papers/ATN\\_1\\_2015\\_5.pdf](https://users.utcluj.ro/~atn/papers/ATN_1_2015_5.pdf)

15. B. Râza, A. Râza, **P. Faragó**, S. Hintea, "Design Illustration of an EKG Analog Interface Using Genetic Algorithms", Acta Technica Napocensis – Electronics and Telecommunications, ISSN 1221-6542, vol. 55, no 3, pp. 14-19, 2014  
[https://users.utcluj.ro/~ATN/papers/ATN\\_3\\_2014\\_4.pdf](https://users.utcluj.ro/~ATN/papers/ATN_3_2014_4.pdf)
16. **P. Farago**, T. Jackum, C. Böhm, M. Hofer, "Illustration Of Automatic Digital Synthesis For Camellia-128 Cipher Algorithm", Acta Technica Napocensis, Electronics and Telecommunications, ISSN 1221-6542, Volume 53, No. 1, pp. 99-104, 2012  
[https://users.utcluj.ro/~atn/papers/ATN\\_1\\_2012\\_4.pdf](https://users.utcluj.ro/~atn/papers/ATN_1_2012_4.pdf)
17. **P. Farago**, L. Festila, "Sub-1V Bandgap Voltage Reference Optimization With Genetic Algorithms", Acta Technica Napocensis, Electronics and Telecommunications, ISSN 1221-6542, Volume 52, No. 1, pp. 34-39, 2011  
[https://users.utcluj.ro/~atn/papers/ATN\\_1\\_2011\\_6.pdf](https://users.utcluj.ro/~atn/papers/ATN_1_2011_6.pdf)

## **F. Publications in-extenso, Published in Papers of the Main International Specialized Conferences**

### **ISI Proceedings**

1. **Farago, P** ; Cirlugea, M; Hintea, S  
Coordination Game Analysis using Brown's Fictitious Play  
2021 44th International Conference on Telecommunications and Signal Processing (TSP), pp. 175-178, 2021  
DOI: 10.1109/TSP52935.2021.9522656  
WOS: 000701604600037  
IEEE
2. Cirlugea, M; **Farago, P**; Hintea, S  
Facial Recognition Software for Android Operating Systems  
2021 44th International Conference on Telecommunications and Signal Processing (TSP), pp. 171-174, 2021  
DOI: 10.1109/TSP52935.2021.9522668  
WOS:000701604600036  
IEEE
3. Cordos, C; Mihaila, L; **Farago, P**; Hintea, S,  
ECG signal classification using Convolutional Neural Networks for Biometric Identification  
2021 44th International Conference on Telecommunications and Signal Processing (TSP), pp. 167-170  
DOI: 10.1109/TSP52935.2021.9522631  
WOS: 000701604600035  
IEEE
4. **P. Faragó**, M. Cirlugea and S. Hintea  
A Novel Smart-Shoe Architecture for Podiatric Monitoring  
2020 43rd International Conference on Telecommunications and Signal Processing (TSP), Milan, Italy, 2020, pp. 180-183  
DOI: 10.1109/TSP49548.2020.9163549  
WOS: 000577106400039

IEEE

5. C. Ignat, **P. Faragó** and S. Hintea  
FPGA Implementation of a Novel Dual - BRAM Processor Architecture  
2020 43rd International Conference on Telecommunications and Signal Processing (TSP), Milan, Italy, 2020, pp. 124-128  
DOI: 10.1109/TSP49548.2020.9163584  
WOS:000577106400027  
IEEE
6. M. Cirlugea, **P. Faragó** and S. Hintea  
Statistical Study of Small Business Customers using Facebook Ads and Google Analytics  
2020 43rd International Conference on Telecommunications and Signal Processing (TSP), Milan, Italy, 2020, pp. 212-215  
DOI: 10.1109/TSP49548.2020.9163447  
WOS: 000577106400046  
IEEE
7. L. Ivanciu, I. Ivanciu, **P. Farago** and S. Hintea  
An ECG-Based Authentication Scheme for Body Area Networks  
2019 IEEE 25th International Symposium for Design and Technology in Electronic Packaging (SIITME), Cluj-Napoca, Romania, 2019, pp. 114-117  
DOI: 10.1109/SIITME47687.2019.8990738  
WOS: 000564733700023  
[IEEE]
8. **P. Farago**, R. Groza, S. Hintea  
High precision activity tracker based on the correlation of accelerometer and EMG data  
2019 42nd International Conference on Telecommunications and Signal Processing (TSP), JUL 01-03, 2019, Budapest, Hungary, pp. 428-431  
DOI: 10.1109/TSP.2019.8768874  
WOS: 000493442800093  
IEEE
9. **P. Farago**, R. Groza, L. Ivanciu, S. Hintea  
A Correlation-based Biometric Identification Technique for ECG, PPG and EMG  
2019 42nd International Conference on Telecommunications and Signal Processing (TSP), JUL 01-03, 2019, Budapest, Hungary, pp. 716-719,  
DOI: 10.1109/TSP.2019.8768810  
WOS: 000493442800156  
IEEE
10. **P. Farago**, A.-M. Băbțan, R. Galatus, R. Groza, N. M. Roman, C. N. Feurdean, A. Ilea  
A Side-Polished Fluorescent Fiber Sensor for the Detection of Blood in the Saliva  
6TH INTERNATIONAL CONFERENCE ON ADVANCEMENTS OF MEDICINE AND HEALTH CARE THROUGH TECHNOLOGY, MEDITECH 2018, OCT 17-20, 2018, Cluj-Napoca, Romania, in Vlad, S; Roman, NM, IFMBE Proceedings, vol. 71 pp. 23-28,  
DOI: 10.1007/978-981-13-6207-1\_4  
WOS: 000493501100004
11. A. Raza, **P. Farago**, M. Cirlugea, S. Hintea

An ECG Morphological Analysis Algorithm for Hybrid Patient Monitoring  
6TH INTERNATIONAL CONFERENCE ON ADVANCEMENTS OF MEDICINE AND HEALTH CARE THROUGH TECHNOLOGY, MEDITECH 2018, OCT 17-20, 2018, Cluj-Napoca, Romania, in Vlad, S; Roman, NM, IFMBE Proceedings, vol. 71 pp. 145-149  
DOI: 10.1007/978-981-13-6207-1\_23  
WOS: 000493501100023

12. **P. Farago**, R. Galatus, M. Cirlugea, S. Hintea  
Fluorescent Fiber Implementation of an Angle Sensor  
2018 20TH ANNIVERSARY INTERNATIONAL CONFERENCE ON TRANSPARENT OPTICAL NETWORKS (ICTON), 2018, Bucjarest, Romania, ISSN: 2162-7339  
DOI: 10.1109/ICTON.2018.8473637  
WOS: 000462559300061  
IEEE
13. **P. Farago**, R. Groza, C. Ignat, M. Cirlugea, S. Hintea  
A Fuzzy Expert System for Infection Screening Based on Vital Signs and Activity Data  
2018 41ST INTERNATIONAL CONFERENCE ON TELECOMMUNICATIONS AND SIGNAL PROCESSING (TSP), JUL 04-06, 2018, Athens, Greece, pp. 581-584,  
DOI: 10.1109/TSP.2018.8441355  
WOS: 000454845100129  
IEEE
14. **P. Farago**, R. Galatus, S. Hintea, JC Martin, J. Valles, J  
Fluorescent Fiber Implementation of a High-resolution Distributed Position Sensor  
Conference on Optical Sensing and Detection V, Location: Strasbourg, FRANCE, Date: APR 23-26, 2018, in Proceedings of SPIE, Volume: 10680  
DOI: 10.1117/12.2307494  
WOS: 000452637200037
15. R. Galatus, **P. Farago**, J. Valles  
Optical Data Transmission with Plastic Scintillating Fibers  
Conference on Fiber Lasers and Glass Photonics - Materials through Applications, Location: Strasbourg, FRANCE, Date: APR 22-26, 2018, in Proceedings of SPIE, Volume: 10683  
DOI: 10.1117/12.2306677  
WOS: 000450857500046
16. R. Groza, **P. Farago**  
Low power current-mode analog front-end for biomedical applications  
2018 IEEE INTERNATIONAL CONFERENCE ON AUTOMATION, QUALITY AND TESTING, ROBOTICS (AQTR), MAY 24-26, 2018, Cluj-Napoca, Romania,  
DOI: 10.1109/AQTR.2018.8402720  
WOS: 000450065900023
17. **Paul Faragó**, Ramona Gălătuș, Cristi Fărcaș, Gabriel Oltean, Nicoleta Toșa  
Low-cost Quasi-distributed position sensing platform based on blue fluorescent optical fiber  
2017 IEEE 23rd International Symposium for Design and Technology in Electronic Packaging (SIITME), Octombrie 26-29 2017, Constanța, Romania  
DOI: 10.1109/SIITME.2017.8259918  
WOS: 000428032300069

IEEE

18. **Paul Faragó**, Sorin Hintea, Florin Sandu

A digital control mechanism for the delay of a dual-microphone analog beamformer

2017 International Conference on Optimization of Electrical and Electronic Equipment (OPTIM) & 2017 Intl Aegean Conference on Electrical Machines and Power Electronics (ACEMP), Mai 25-27 2017, Braşov, Romania,

DOI: 10.1109/OPTIM.2017.7975067

WOS: 000426909600122

IEEE

19. Ramona Galatus, **Paul Farago**, Nunzio Cennamo, Cecilia Cristea, Bogdan Feier

SPR based hybrid electro-optic biosensor platform: SPR-cell with side emitting plastic optical fiber

2017 IEEE 23rd International Symposium for Design and Technology in Electronic Packaging (SIITME), Octombrie 26-29 2017, Constanţa, Romania,

DOI: 10.1109/SIITME.2017.8259917

WOS: 000428032300068

IEEE

20. Ignat, M.C., **Faragó, P.**, Hintea, S., Roman, M.N., Vlad, S

A single-character refreshable braille display with FPGA control

Proceedings of 5th International Conference on Advancements of Medicine and Health Care through Technology, MEDITECH 2016, Octombrie 12 2016, Cluj-Napoca, Romania, pp. 63-66

DOI: 10.1007/978-3-319-52875-514

WOS: 000426009100014

21. **P. Farago**, M. Cirlugea, S. Hintea

An Electronically Programmable Current Balancing Instrumentation Amplifier for Biomedical Monitoring

2016 39th International Conference on Telecommunications and Signal Processing (TSP), Iunie 27-29 2016, Vienna, Austria, pp. 269-273, ISBN: 978-1-5090-1289-3

DOI: 10.1109/TSP.2016.7760876

WOS: 000390164000057

IEEE

22. C Farago, G Oltean, **P Farago**, S Hintea

An evolutionary approach for Nominal design and yield enhancement of analog amplifiers

2015 IEEE 10th Jubilee International Symposium on Applied Computational Intelligence and Informatics (SACI), Mai 21 2015, Timisoara, Romania, pp. 265-270

DOI: 10.1109/SACI.2015.7208210

WOS: 000380397800049

IEEE

23. **P. Farago**, C. Farago, R. Groza, S. Hintea

An Evolutionary Optimization Methodology of a Low-Power Programmable Cochlear Implant

2015 38th International Conference on Telecommunications and Signal Processing (TSP), Iulie 9-11 2015, Prague, Czech Republic, pp.354-359, 2015, ISBN: 978-1-4799-8498-5

DOI: 10.1109/TSP.2015.7296283

WOS:000375231000175

IEEE



24. **P. Farago**, G. Oltean, L.-N. Ivanciu  
Neural Networks and Wavelet Transform in Waveform Approximation  
14th UK Annual Workshop on Computational Intelligence (UKCI) Location: Septemer 08-10 2014,  
University of Bradford, Bradford, ENGLAND, pp. 96-103  
DOI: 10.1109/UKCI.2014.6930164  
WOS: 000353643200014  
IEEE
25. **P. Farago**, D. Bogăţeanu, E. Ceuca, C. Moisă, S. Hintea  
Device Mismatch Analysis and Effect Compensation in Fundamental Analog Cells  
36th International Spring Seminar on Electronics Technology (ISSE 2013), Mai 8-12 2013, Alba-  
Iulia, Romania, pp. 280-285,  
DOI: 10.1109/ISSE.2013.6648257  
WOS: 000374113900053  
IEEE
26. **Paul Farago**, Gabor Csípkés, Doris Csípkés, Sorin Hintea  
An evolutionary approach to design and calibration of reconfigurable OTA-C filters  
35th International Conference on Telecommunications and Signal Processing (TSP2012), Iulie 3-4  
2012, Praga, Cehia, pp. 363-368  
DOI: 10.1109/TSP.2012.6256316  
WOS: 000374113900053  
IEEE
27. Csipkes, D., Csipkes, G., **Farago, P.**, Fernandez-Canque, H., Hintea, S  
An OTA-C field programmable analog array for multi-mode filtering applications  
International Conference on Optimization of Electrical and Electronic Equipment (OPTIM), Mai 24-  
26 2012, Braşov, Romania, pp. 1176 – 1182, ISBN 1842-0133  
DOI: 10.1109/OPTIM.2012.6231881  
WOS: 000398866700176  
IEEE
28. G. Csipkes, D. Csipkes, S. Hintea, **P. Faragó**  
A 5th order current mode OTA-C low pass filter with programmable corner frequency  
International Conference on Applied Electronics, Septembrie 7-8 2011, Pilsen, Cehia, pp 71-74  
<https://ieeexplore.ieee.org/document/6049098>  
WOS:000305136600016  
IEEE
29. **P. Farago**, S. Hintea, G. Oltean, L. Festila  
A Double-Layer Genetic Algorithm for Gm-C Filter Design  
Knowledge-Based and Intelligent Information and Engineering Systems, Lecture Notes in Computer  
Science, 2010, Cardiff, Marea Britanie, pp. 623-632,  
DOI: [https://doi.org/10.1007/978-3-642-15384-6\\_66](https://doi.org/10.1007/978-3-642-15384-6_66)  
WOS: 000289445700066

## **BDI**

30. **P. Faragó**, A. -S. Popescu, L. Perju-Dumbravă and R. R. Ileşan,  
Wearables as Part of Decision Support System in Parkinson's Disease Prediagnosis: A Case Study

2022 E-Health and Bioengineering Conference (EHB), Iasi, Romania, 2022, pp. 1-4,

DOI: 10.1109/EHB55594.2022.9991543.

IEEE

SCOPUS

31. L. -I. Mihăilă, C. -G. Cordoș, R. R. Ilcșan, **P. Faragó** and S. Hintea  
CNN-based Identification of Parkinsonian Gait using Ground Reaction Forces  
2022 45th International Conference on Telecommunications and Signal Processing (TSP), Prague, Czech Republic, 2022, pp. 318-321,  
DOI: 10.1109/TSP55681.2022.9851260.  
IEEE  
SCOPUS
32. **Faragó, P.**, Cîrlugea, M., Hintea, S., Fărcaș, C.  
A Game-Theoretic Analysis of the Recurrent Patient-Doctor Interaction Using Genetic Algorithms  
In: Vlad, S., Roman, N.M. (eds) 7th International Conference on Advancements of Medicine and Health Care through Technology. MEDITECH 2020.  
IFMBE Proceedings, vol 88. Springer, Cham. 2022  
DOI: [https://doi.org/10.1007/978-3-030-93564-1\\_31](https://doi.org/10.1007/978-3-030-93564-1_31)  
SCOPUS
33. Cordoș, C., **Faragó, P.**, Hintea, S., Fărcaș, C.  
A Matlab Simulation Platform for a Biometric Identification System Based on ECG Fiducial Features  
In: Vlad, S., Roman, N.M. (eds) 7th International Conference on Advancements of Medicine and Health Care through Technology. MEDITECH 2020.  
IFMBE Proceedings, vol 88. Springer, Cham. 2022,  
DOI: [https://doi.org/10.1007/978-3-030-93564-1\\_1](https://doi.org/10.1007/978-3-030-93564-1_1)  
SCOPUS
34. Mihăilă, L., **Faragó, P.**, Fărcaș, C., Hintea, S.  
A Study on ECG Denoising Using Wiener Filter  
In: Vlad, S., Roman, N.M. (eds) 7th International Conference on Advancements of Medicine and Health Care through Technology. MEDITECH 2020.  
IFMBE Proceedings, vol 88. Springer, Cham. 2022  
DOI: [https://doi.org/10.1007/978-3-030-93564-1\\_2](https://doi.org/10.1007/978-3-030-93564-1_2)  
SCOPUS
35. R. Galatus, **P. Farago**, B. Mesesan, S. Hintea, G. Oltean, A. Ilea  
Low-cost distributed angle sensor implemented on a fluorescent fiber  
21st International Conference on Transparent Optical Networks ICTON 2019; Angers; France; 9 July 2019 through 13 July 2019  
DOI: 10.1109/ICTON.2019.8840506  
IEEE  
SCOPUS
36. R. Galatus, **P. Farago**, T. Marita, L. Zeni  
Integrated System SPR Array Sensors based on Side Glow MMA Fibers  
Nonlinear Photonics 2018, Zurich Switzerland, 2–5 July 2018, ISBN: 978-1-943580-43-9.  
DOI: <https://doi.org/10.1364/BGPPM.2018.JTu2A.80>  
SCOPUS

37. **Faragó, P.**, Faragó, C., Hintea, S., Cîrlugea, M.  
An evolutionary multi-objective optimization approach to design the sound processor of a hearing aid  
Proceedings of International Conference on Advancements of Medicine and Health Care through  
Technology, MEDITECH 2014; Iunie 5-7 2014, Cluj-Napoca, Romania, pp. 181-186, ISSN:1680-  
0737  
DOI: [https://doi.org/10.1007/978-3-319-07653-9\\_37](https://doi.org/10.1007/978-3-319-07653-9_37)  
SCOPUS
38. **Paul Farago**, Lelia Festila, Peter Söser, Sorin Hintea  
Automatic Filter Synthesis Based on Tree Generation and Evolutionary Optimization  
Knowledge-Based and Intelligent Information and Engineering Systems, Lecture Notes in Computer  
Science, Septembrie 12-14 2011, pp. 455-464, ISSN: 0302-9743  
SCOPUS
39. **Faragó, P.**, Feștilă, L., Hintea, S., Söser, P., Csipkes, G., Csipkes, D., Ciufudean, C.  
A novel filter design method based on greedy search and genetic algorithms  
Proceedings of 11th WSEAS International Conference on Signal Processing, Computational  
Geometry and Artificial Vision, ISCGAV'11, 11th WSEAS International Conference on Systems  
Theory and Scientific Computation, ISTASC'11, August 23-25 2011, Florence, Italy, pp. 152-157  
SCOPUS

## G. Other Papers and Scientific Contributions

1. Cristian Ignat, **Paul Farago**, Mihaela Cirlugea, Sorin Hintea  
A Dual-BRAM solution for BTSx Instructions on FPGA Processors  
Meditech 2022, Cluj-Napoca, 2022  
[https://snimtb.ro/usurduds/2022/10/Final\\_Programme\\_MediTech-2022-2.pdf](https://snimtb.ro/usurduds/2022/10/Final_Programme_MediTech-2022-2.pdf)
2. Mihaela Cîrlugea, **Paul Farago**  
Post- COVID19 Conclusion Regarding the Education in a Technical University in Romania. How  
Does Stress Influence the Educational Process  
Meditech 2022, Cluj-Napoca, 2022  
[https://snimtb.ro/usurduds/2022/10/Final\\_Programme\\_MediTech-2022-2.pdf](https://snimtb.ro/usurduds/2022/10/Final_Programme_MediTech-2022-2.pdf)
3. Ramona Galatus, Nicoleta Tosa, **Paul Farago**, Piotr Miluski, Cecilia Cristea and Aranka Ilea  
Evanescent field monitoring for film thickness evaluation in metallic layer surface plasmon resonance  
biosensor setup.  
7th International Symposium on Sensor Science, 9-11 May, 2019, Napoli, Italy, pp.89
4. **Paul Faragó**, Ramona Galatus, Robert Groza, Anida-Maria Băbțan, Claudia Nicoleta Feurdean,  
Nausica Bianca Petrescu, Adina Bianca Boșca, Aranka Ilea  
A Simple Low-Cost Distributed Optical Salivary Sensor  
8th National and 1st International Congress “Nutrition – Medicine of the Future” Cluj-Napoca May  
15-18, 2019
5. Ilea Aranka, Băbțan Anida-Maria, Petrescu Nausica Bianca, Feurdean Claudia Nicoleta, Andrei Vlad,  
Sântu Octavian, Boșca Adina Bianca, Câmpian Radu Septimiu, Mirică Ioana Codruța, Bordea Ioana  
Roxana, Buhățel Dan, Uriciuc Willi Andrei, Ionel Anca, Sava Arin, Lazăr Adela Cristina, Ciui  
Bianca, Tertiș Mihaela, Săndulescu Robert, Cristea Cecilia, **Faragó Paul**, Groza Robert-Gheorghe,  
Gălătuș Ramona-Voichița

Biosenzorii salivari în practica stomatologică - premise și perspective/ Salivary biosensors in dental practice - premises and perspectives

Al XI-lea congres național "Zilele medicinei dentare craiovene"

Implicațiile noilor tehnologii în practica stomatologică, 6-8 Iunie 2019

6. **P. Faragó**, R. Gălățuș, A. Ilea, M. Cîrlugea, C. Faragó, S. Hintea  
Smart sensor interface in biomedical monitoring systems  
In: Integrated nanodevices for environmental analysis, published on CD, acknowledgement proiect PED67, ISBN 978-973-53-2023-2, Ed Risoprint, 2017
7. M. Cîrlugea, S. Hintea, E. Ceuca, **P. Farago**  
Behavioural Macromodels for RMS and Average Value Calculus in DC-DC Converters  
36th International Spring Seminar on Electronics Technology (ISSE 2013), 2013, Alba-Iulia, Romania
8. L. Rîtea, C. Moisă, **P. Farago**  
Implementation of a CIS Cochlear Implant with Fully Differential Operational Transconductance Amplifiers  
2013 Student's Symposium of Electronics and Telecommunications (SSET 2013) – Student ETTI, Cluj-Napoca, Romania
9. D. Bogățeanu, **P. Farago**  
The Effect of Process Deviations on Analog Integrated Circuits and Circuit Level Compensation Methods  
2012 Student's Symposium of Electronics and Telecommunications (SSET 2012) – Student ETTI, Cluj-Napoca, Romania, Novice Insights, Issue 12, 2012
10. **P. Farago**  
Automatic Synthesis of Analog Filters for Wireless Communications - A Case Study  
Sesiunea de Comunicări Științifice a Doctoranzilor SICOM2012, Cluj-Napoca, 2012
11. **P. Farago**, P. Söser, L. Feștilă, S. Hintea, G. Csipkes, D. Csipkes  
An FPAA and an Automatic Filter Design Technique for Self-Reconfigurable Hardware  
Proceedings of the 2011 Austrochip Conference, Vienna, Austria, 2011, pp. 33-38
12. **P. Farago**, G. Oltean, S. Hintea  
A Genetic Algorithm-based approach for Passive Filter Design  
Symposium for Students in Electronics and Telecommunications - SSET 2010, Cluj-Napoca, 2010, Novice Insights, Ed. Mediamira, pp. 7 – 14, Cluj-Napoca, 2010
13. **P. Farago**, Peter Soser, Sorin Hintea  
Design of a Fully Reconfigurable Bandpass Filter for use in Cochlear Implants  
Proceedings of the 2009 Austrochip Conference, pp. 81-86, Graz, 2009
14. **Paul Farago**, Ligia Cremene, Nicolae Crisan  
IEEE 802.11n Tests and Measurements for Optimum WLAN Planning  
Symposium for Students in Electronics and Telecommunications – SSET2008, Novice Insights, Cluj-Napoca, 2008

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