INFORMAŢII PERSONALE

Nume / Prenume	**Postolache Octavian Adrian**
Adresă	**IT – Lisboa**
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Website	https://ciencia.iscte-iul.pt/authors/octavian-adrian-postolache/cv
Profil Google Scholar	TjbovYgAAAAJ&hl
Data naşterii	29.07.1967 Naţionalitate **română**

EXPERIENȚA PROFESIONALĂ

Perioada	**03.2019 - prezent**
Funcţia sau postul ocupat	**Profesor**
Numele şi adresa angajatorului	**Iscte - University Institute of Lisbon** **Av. das Forças Armadas, 1649-026 Lisboa, Portugalia**
Tipul sau sectorul de activitate	**Educaţie**
Activităţi şi responsabilităţi principale	**Cursuri și aplicații:** Circuite și sisteme electronice, e-Health și telemedicină, Senzori pentru instrumentație medicală și prcesare de semnal.

Perioada	**03.2016 – 03.2019**
Funcţia sau postul ocupat	**Conferenţiar**
Numele şi adresa angajatorului	**Iscte - University Institute of Lisbon** **Av. das Forças Armadas, 1649-026 Lisboa, Portugalia**
Tipul sau sectorul de activitate	**Educaţie**
Activităţi şi responsabilităţi principale	**Cursuri și aplicații:** Circuite și sisteme electronice, e-Health și telemedicină, Senzori pentru instrumentație medicală și prcesare de semnal.

Perioada	**02.2012 – 03.2016**
Funcţia sau postul ocupat	**Lector**
Numele şi adresa angajatorului	**Iscte - University Institute of Lisbon** **Av. das Forças Armadas, 1649-026 Lisboa, Portugalia**
Tipul sau sectorul de activitate	**Educaţie**
Activităţi şi responsabilităţi principale	**Cursuri și aplicații:** Circuite și sisteme electronice, e-Health și telemedicină, Senzori pentru instrumentație medicală și prcesare de semnal.

Perioada	**02.2002 – 03.2012**
Funcţia sau postul ocupat	**Cadru didactic asociat**
Numele şi adresa angajatorului	**Institutul Politehnic din Lisabona** **Estrada de Benfica, 529, 1500-085 Lisboa**
Tipul sau sectorul de activitate	**Educaţie**
Activităţi şi responsabilităţi principale	**Cursuri și aplicații:** Circuite și sisteme electronice, e-Health și telemedicină, Senzori pentru instrumentație medicală și prcesare de semnal.

Perioada	**06.2000 – 02.2004**
Funcţia sau postul ocupat	**Cercetător**
Numele şi adresa angajatorului	**Institutul Superior Tehnic** **Av. Rovisco Pais 1, 1049-001 Lisboa, Portugalia**
Tipul sau sectorul de activitate	**Cercetare**
Activităţi şi responsabilităţi principale	Instrumentație medicală, electronică, telemedicină

EDUCAȚIE ȘI FORMARE

Perioada	**2016**
Calificarea / diploma obținută	**Atestat de abilitare – coordonare doctorat**
Denumirea și adresa organizației de educație / formare	**Universitatea din Lisabona**

Perioada	**2000-2004**
Calificarea / diploma obținută	**Diplomă de Postdoctorat**
Denumirea și adresa organizației de educație / formare	**Universitatea din Lisabona**

Perioada	**1999**
Calificarea / diploma obținută	**Diplomă de Doctorat**
Denumirea și adresa organizației de educație / formare	**Universitatea Tehnică Gheorghe Asachi Iași** **Inginerie electrică - Metrologie**

Perioada	**1987 -1992**
Calificarea / diploma obținută	**Inginer**
Denumirea și adresa organizației de educație / formare	**Universitatea Tehnică Gheorghe Asachi Iași** **Inginerie electrică**

COMPETENTE PERSONALE

Competențe de comunicare	Abilități foarte bune de comunicare și prezentare publică a informațiilor științifice
Competențe organizaționale / manageriale	
Competențe și aptitudini sociale	Sociabilitate, adaptabilitate, abilități foarte bune de comunicare, rezistență la stres, capacitate de acomodare excelentă în orice situație
Competențe digitale	Utilizarea unor programe ca: Autocad, Matlab, LabView Aptitudini de utilizare a echipamentelor tehnologice, consultarea materialelor și studiilor de ultima oră din publicațiile de specialitate
Alte competențe personale	

Limbi străine cunoscute Engleză	Înțelegere		Vorbire		Scriere
	Ascultare	Citire	Participare la conversație	Discurs oral	Exprimare scrisă
Nivelul	C1	C1	C1	C1	C1

Limbi străine cunoscute Portugheză	Înțelegere		Vorbire		Scriere
	Ascultare	Citire	Participare la conversație	Discurs oral	Exprimare scrisă
Nivelul	C1	C1	C1	C1	C1

Niveluri: A1/2: Utilizator elementar; B1/2: Utilizator independent; C1/2: Utilizator experimentat

INFORMATII SUPLIMENTARE

Publicații	Cărți și capitole de cărți publicate la edituri internaționale	**31**
	Cărți și capitole de cărți publicate la edituri naționale	**3**
	Lucrări științifice publicate în reviste cotate ISI	**68**
	Lucrări științifice publicate în reviste și volume de conferință indexate ISI (ne-cotate ISI)	**12**
	Lucrări științifice publicate în reviste și volume de conferință indexate în baze de date internaționale (altele decât ISI)	101
	Alte lucrări științifice publicate în reviste și volume de conferință (neraportate la categoriile anterioare)	7
Invenții	Brevete acordate de Oficii Internaționale de Brevetare	10

	Brevete acordate de Oficiul de Stat pentru Invenţii şi Mărci	1
	Cereri de brevete înregistrate la Oficii Internaţionale de Brevetare	1
	Cereri de brevete înregistrate la Oficiul de Stat pentru Invenţii şi Mărci	2

Contracte de cercetare	Câştigate prin competiţie internaţională	**8**
şi transfer tehnologic	Câştigate prin competiţie naţională	**30**

Alte distincţii	Distincţii acordate de organizaţii internaţionale	**8**
	Distincţii acordate de organizaţii naţionale	**4**

Anexe:

A. Selecţie cărţi si capitole de cărţi

1. G. Postolache, O. Postolache, ” Smartphone Sensing Technologies for Tailored Parkinson's Disease Diagnosis and Monitoring”,Chapter in Mobile Solutions and Their Usefulness in Everyday Life, Sara Paiva Editor, Springer 2019, eBook ISBN 978-3-319-93491-4|, Hardcover ISBN 978-3-319-93490-7.

2. O. Postolache, G. Postolache, F.C. Cary, F. Lourenço, RO Oliveira, P.M. Girão, "Serious Game based on Kinect and Leap Motion Controller for Upper Limbs Physical Rehabilitation", Chapter in, Modern Sensing Technologies, Subhas Mukhopadhyay, Krishanthi Jayasundera, Octavian Postolache, Springer Berlin Heidelberg, Sydney, 2018.

3. O. Postolache, V.V. Viegas, J. M. Dias Pereira, P.M. Girão, "IEEE1451 Smart Sensors Architectures for Vital Signs and Motor Activity Monitoring", Chapter in, Advanced Interfacing Techniques for Sensors Measurement Circuits and Systems for Intelligent Sensors, Boby George · Joyanta Kumar Roy V. Jagadeesh Kumar · Subhas Chandra Mukhopadhyay, Springer International Publishing, Cham, Switzerland, 2017.

4. O. Postolache, G. Postolache, H.C. Carvalho, A.C. Catarino, "Smart Clothes for Rehabilitation Context: Technical and Technological Issues", Chapter in, Sensors for Everyday Life Healthcare Settings, Octavian Postolache., Mukhopadhyay, S.C., Jayasundera, K.P., Swain, A.K., Springer Berlin Heidelberg, Berlin, 2016.

5. O. Postolache, J. M. Dias Pereira, M.R Ribeiro, P.M. Girão, "Assistive Smart Sensing Devices for Gait Rehabilitation Monitoring", Chapter in, ICTs for Improving Patients Rehabilitation Research Techniques, Springer International Publishing, Berlin Heidelberg, 2015.

6. .S C. Mukhopadhyay, O. Postolache, K. Jayasundera, A. Swain (Editors), Sensors for Everyday Life: Environmental and Food Engineering, Springer Berlin Heidelberg, Berlin, 2016, Hardcover ISBN 978-3-319-47321-5| eBook ISBN 978-3-319-47322-2.

7. S. C. Mukhopadhyay, O. Postolache, K. Jayasundera (Editors), Modern Sensing Technologies, Smart Sensors, Measurement and Instrumentation Series, Springer Berlin Heidelberg, June 2018, Hardcover ISBN 978-3-319-99539- 7| eBook ISBN 978-3-319-99540-3.

8. Postolache, O.; Bernardes, S.F.; Ultrapassar os desafios colocados pela pandemia de Covid-19 à auto-gestão das doenças crónicas: Contributos das ciências do comportamento e tecnologias digitais. 2020, Cadernos de Saúde Societal: O que aprendemos com a pandemia?

9. Zdrui, D. Hagan, M. Oana Geman Postolache, O.; Alexandre, R., Smart sensing systems for in-home health status and emotional well-being monitoring during COVID-19, 2021, Biomedical engineering tools for management for patients with COVID-19, Elsevier, ISBN, 978-0-12-824473-9 (print).

10. Rodrigues, M. J.; Postolache, O.; Cercas, F.; Autonomic nervous system assessment based on HRV analysis during virtual reality serious games, Computational Collective Intelligence. Lecture Notes in Computer Science, Springer Cham, 2021, 978-3-030-88080-4 (print), 978-3-030-88081-1 (online).

11. Nunes, F. G.; Camilo, C.; Nascimento, G.; Postolache, O.;Introdução: percursos de investigação em saúde societa, Computational Collective Intelligence. Lecture Notes in Computer Science, 2021, Springer Cham, 978-3-030-88080-4 (print), 978-3-030-88081-1 (online).

12. V. E. Balas, Guojun W, Muhammad, A, Postolache, O.; Oana Geman, Biomedical Engineering Tools for Management for Patients with COVID-19, Elsevier, 2021, eBook ISBN: 9780323859950.

13. Nunes, F. G.; Camilo, C.; Nascimento, G.; Postolache, O.; Saúde Societal: Percursos de Investigação do Iscte, ISCTE, 2021, 2184-9676 (print).

14. Octavian Postolache, Mihai Cretu, Cristian Fosalau. Processamento de Sinais - Teoria e Aplicações. Editora "Gh. Asachi", Iasi, 233 páginas, em romeno, 2017, ISBN 973-8050-40-50.

15. O. Postolache, S C. Mukhopadhyay, K. Jayasundera, A. Swain (Editors), Sensors for Everyday Life: Healthcare Settings, Springer Berlin Heidelberg, Berlin, 2016, Hardcover ISBN 978-3-319-47318-5| eBook ISBN 978-3-319- 47319-2.

B. Selecție lucrări indexate ISI/BDI

1. Li, B ; Hu, QL ; Yang, YS ; Postolache, OA. Finite-time disturbance observer based integral sliding mode control for attitude stabilisation under actuator failure. IET CONTROL THEORY AND APPLICATIONS, Volume: 13 Issue: 1 Pages: 50-58, DOI: 10.1049/iet-cta.2018.5477.
2. Geman, O ; Postolache, OA ; Chiuchisan, I ; Prelipceanu, M ; Ritambhara ; Hemanth, DJ . An Intelligent Assistive Tool Using Exergaming and Response Surface Methodology for Patients With Brain Disorders. IEEE ACCESS, Volume: 7 Pages: 21502-21513, DOI: 10.1109/ACCESS.2019.2898554.
3. Zhang, WG ; Postolache, O . Parametric model updating with frequency and MAC combined objective function of port crane structure based on operational modal analysis. OPEN PHYSICS, Volume: 17 Issue: 1 Pages: 69-76, DOI: 10.1515/phys-2019-0008.
4. Lay-Ekuakille, A; Durickovic, I ; Lanzolla, A ; Morello, R (Morello, R.); De Capua, C ; Girao, PS ; Postolache, O; Massaro, A ; Van Biesen, L . Effluents, surface and subterranean waters monitoring: Review and advances. MEASUREMENT, Volume: 137 Pages: 566-579, DOI: 10.1016/j.measurement.2019.01.052.
5. Fu, XW ; Yao, HQ ; Postolache, O ; Yang, YS , Message forwarding for WSN-Assisted Opportunistic Network in disaster scenarios. JOURNAL OF NETWORK AND COMPUTER APPLICATIONS, Volume: 137 Pages: 11-24, DOI: 10.1016/j.jnca.2019.04.005.
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7. Postolache, O ; Teixeira, L ; Cordeiro, J ; Lima, L; Arriaga, P ; Rodrigues, M; Girao, P. Tailored Virtual Reality for Smart Physiotherapy. 2019 11TH INTERNATIONAL SYMPOSIUM ON ADVANCED TOPICS IN ELECTRICAL ENGINEERING (ATEE), Location: Bucharest, ROMANIA, Date: MAR 28-30, 2019.
8. Ni, DC; Postolache, OA ; Mi, C ; Zhong, MS; Wang, YS. UWB Indoor Positioning Application Based on Kalman Filter and 3-D TOA Localization Algorithm. 2019 11TH INTERNATIONAL SYMPOSIUM ON ADVANCED TOPICS IN ELECTRICAL ENGINEERING (ATEE), Location: Bucharest, ROMANIA, Date: MAR 28-30, 2019.
9. Tang, PY ; Postolache, OA ; Hao, YY; Zhong, MS , Reefer Container Monitoring System, 2019 11TH INTERNATIONAL SYMPOSIUM ON ADVANCED TOPICS IN ELECTRICAL ENGINEERING (ATEE), Location: Bucharest, ROMANIA, Date: MAR 28-30, 2019.
10. Reis, E ; Postolache, G ; Teixeira, L ; Arriaga, P ; Lima, ML ; Postolache, O, Exergames for motor rehabilitation in older adults: an umbrella review. PHYSICAL THERAPY REVIEWS, Volume: 24 Issue: 3-4 Pages: 84-99, DOI: 10.1080/10833196.2019.1639012
11. Xu, BW ; Li, JJ; Yang, YS ; Wu, HF ; Postolache, O , Model and Resilience Analysis for Handling Chain Systems in Container Ports, COMPLEXITY, Volume: 2019, Article Number: 9812651, DOI: 10.1155/2019/9812651
12. A. Lopez, F. Ferrero, O. Postolache, An Affordable Method for Evaluation of Ataxic Disorders Based on Electrooculography, Sensors, Vol. 19, No. 17, pp. 1 - 16, August, 2019.
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14. V.V. Viegas, J. M. Dias Pereira, O. Postolache, P.M. Girão, "Monitoring Walker Assistive Devices: A Novel Approach Based on Load Cells and Optical Distance Measurements", MDPI Sensors, Vol. 18, No. 2, pp. 540 - 540, February, 2018.
15. B. Xu, J. Li, Y. Yang, O. Postolache, H. Wu, "Robust modeling and planning of radio-frequency identification network in logistics under uncertainties", Intrnl. Journal of Distributed Sensor Networks, Vol. 14, No. 4, pp. 155014771876978 - 155014771876978, April, 2018.
16. J. Li, B. Xu, O. Postolache, Y. Yang, H. Wu, "Impact Analysis of Travel Time Uncertainty on AGV CatchUp Conflict and the Associated Dynamic Adjustment", Mathematical Problems in Engineering, Vol. 2018, No. 4037695, pp. 1 - 11, April, 2018.

17. R. Madeira, O. Postolache, "just Physio kidding - NUI and Gamification based Therapeutic Intervention for Children with Special Needs", International Symposium on Pervasive Computing Paradigms for Mental Health MINDCARE, Barcelona, Spain, Vol. 1, pp. 1 - 5, November, 2016.

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21. XU, BV; Liu, XY; Yang, YS; Li, JJ; Postolache, O. Optimization for a Multi-Constraint Truck Appointment System Considering Morning and Evening Peak Congestion. SUSTAINABILITY, Volume: 13 Issue: 3, Article Number: 1181, Published: FEB 2021, WOS:000615613700001.

22. Postolache, Octavian; Hemanth, D. Jude; Alexandre, Ricardo; Remote Monitoring of Physical Rehabilitation of Stroke Patients Using IoT and Virtual Reality. IEEE JOURNAL ON SELECTED AREAS IN COMMUNICATIONS Volume: 39 Issue: 2 Pages: 562-573 Published: FEB 2021, WOS:000608975200023.

23. Fu, XW ; Wang, Y; Li, WF ; Yang, YS ; Postolache, O Lightweight Fault Detection Strategy for Wireless Sensor Networks Based on Trend Correlation. IEEE ACCESS, Volume: 9 Pages: 9073-9083, DOI: 10.1109/ACCESS.2021.3049837, Published: 2021, WOS:000608611300001

24. C. Ye, O. Postolache, Y. Yang, W. Niu, Design of Wireless Power Transfer Circuit for Stable Voltage Output, International Conference and Exposition on Electrical and Power Engineering EPE, Iasi, Romania, Vol. 1, pp. 1 - 5, October, 2020.

25. O. Postolache, J. Monge, A. Trandabat, S. Macovei, Multi-node potentiostat device and multiplatform mobile application for on-field measurements, International Conference and Exposition on Electrical and Power Engineering EPE, Iasi, Romania, Vol. 1, pp. 1 - 5, October, 2020.

26. B. Nogueira da Costa, O. Postolache, J. Arraujo, Sustained attention detection system in learning environments, International Conference and Exposition on Electrical and Power Engineering EPE, Iasi, Romania, Vol. 1, pp. 1 - 6, October, 2020.

27. J. Arraujo, M. Rodrigues, O. Postolache, F. Cercas, F. Ferrero, A. Martines, Heart Rate Variability Analysis in Healthy Subjects Under Different Colored Lighting Conditions, IEEE International Instrumentation and Measurement Technology Conference I2MTC, Dubrovnik, Croatia, Vol. 1, pp. 1 - 6, May, 2020.

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29. Postolache, Octavian; Dobre, Octavia A. TC-13-wireless and telecommunications in measurements - in action. IEEE INSTRUMENTATION & MEASUREMENT MAGAZINE Volume: 23 Issue: 8 Pages: 14-17 Published: NOV 2020, WOS:000591417700005.

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31. Andrusca, M ; Adam, M ; Dragomir, A ; Lunca, E ; Seeram, R ; Postolache, O; Condition Monitoring System and Faults Detection for Impedance Bonds from Railway Infrastructure. APPLIED SCIENCES-BASEL, Volume: 10 Issue: 18, Article Number: 6167, DOI: 10.3390/app10186167, Published: SEP 2020, WOS:000580382900001.

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INSTITUTE OF MEASUREMENT AND CONTROL, Volume: 42 Issue: 16 Pages: 3079-3090, Article Number: 0142331220940110, DOI: 10.1177/0142331220940110, Published: DEC 2020

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35. Rodrigues, Mariana Jacob; Postolache, Octavian; Cercas, Francisco; Physiological and Behavior Monitoring Systems for Smart Healthcare Environments: A Review. SENSORS   Volume: 20   Issue: 8   Article Number: 2186 Published: APR 2020.

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37. Xu, BW; Li, JJ; Yang, YS; Wu, HF ; Postolache, O; A Novel Sliding Mode Control with Low-Pass Filter for Nonlinear Handling Chain System in Container Ports. COMPLEXITY   Volume: 2020   Article Number: 7254503   Published: FEB 10 2020, WOS:000518015800002.

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39. Zhong, MS; Yang, YS; Zhou, YM; Postolache, O. Application of hybrid GA-PSO based on intelligent control fuzzy system in the integrated scheduling in automated container terminal. JOURNAL OF INTELLIGENT & FUZZY SYSTEMS   Volume: 39   Issue: 2   Pages: 1525-1538   Published: 202 , WOS:000568506700012.

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80. Rodrigues, M. J.; Postolache, O.; Cercas, F.; Autonomic nervous system assessment during physical rehabilitation serious game. 2021 IEEE International Symposium on Medical Measurements and Applications (MeMeA).
81. João Rala Cordeiro; Postolache, O.; Length of stay analysis at neonatal care units with data science: Preliminary results. 2021 IEEE International Symposium on Medical Measurements and Applications (MeMeA).
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88. Felício, T.; Postolache, O. A.; Rodrigues, M. J.; Sebastião, P.; Vineyard thermal stress assessment through the combination of in-situ and remote sensing technology, 2023 IEEE Sensors Applications Symposium (SAS).
89. Rodrigues, M. J.; Postolache, O.; Cercas, F.; Wearable smart sensing and UWB system for fall detection in AAL environments, 2023 IEEE Sensors Applications Symposium (SAS).
90. Costa, B.; Postolache, O.; Araujo J. From cloud AI to embedded AI in cardiac healthcare, 2023 IEEE International Instrumentation and Measurement Technology Conference (I2MTC).
91. Gaspar, M.; Postolache, O.; Monge, J.; Mendes, J. Augmented reality serious games for smart physical rehabilitation, 2023 13th International Symposium on Advanced Topics in Electrical Engineering (ATEE).
92. Ribeiro, G.; Postolache, O.; New approach for stress assessment based on healthcare ecosystems, 2023 IEEE Sensors Applications Symposium (SAS).
93. Chambel, T. Arriaga, P.; Fonseca, M. J. Langlois, T. Postolache, O.; Ribeiro, C. Piçarra, N.; Alarcão, S. M. That's AWESOME: Awareness while experiencing and surfing on movies through emotions, IMXw '23: Proceedings of the 2023 ACM International Conference on Interactive Media Experiences Workshops.
94. Ribeiro, G.; Postolache, O.; New approaches to monitoring respiratory activity as part of an intelligent model for stress assessment, Computational collective intelligence. Lecture Notes in Computer Science.

C. Selecţie contracte de cercetare

1. Principal Researcer for FCT project SmartLife - Smart Sensing Systems for Everyday Life – period: July 2020- Oct 2020
2. Principal investigator for Lisbon IT-IUL branch in the project WeHope - Wearable e-health optical fiber monitoring system, period March 2017- March 2019.
3. Principal Investigator of the project "NANO-IMUNELCHIM-PLAT – Diversifications of R&D Activity by Developing of Nano-Sensors Platforms for Electrochemical Detection and Quantifications of Bio-and Immuno Markers with Medical Safety and Environmental Applications". Project/Competitiveness Operational Programme 2014-2020, under grant P_37_766, cod my 103847, nr. 68/08.09.2016, Romanian National Authority for Scientific Research and Innovation,, period September 2016- September 2020
4. Principal Investigator of the project "Smart Sensors and Tailored Environments for Physiotherapy - PTDC/DTP-DES/6776/2014". Founded by Portuguese Science Foundation (FCT) period: April 2016 – June 2019
5. Principal Investigator of the project "Electronic Health Record in Physical Therapy - PTDC/DTP-DES/1661/2012". Founded by Portuguese Science Foundation (FCT), period: May 2013 – September 2015
6. Principal Investigator of the project "EHR – Wheel Electronic Health Record for Wheelchair Users – RIPD/APD/109639/2009, ". Founded by Portuguese Science Foundation (FCT), period: May 2010 – December 2010
7. Principal Investigator of the project "Listening Dolphins and Measuring the Water Quality Where They Live - Live Science CV 1572-2006" , Science Innovation 2005 Operational Program, Measure V.6 - "Scientific and Technological Promotion and Dissemination", Action 5.6.1 .
8. Local coordinator of the project MAXBEE FP7 EU Project: Interoperable Monitoring , Diagnosis and Maintenance Strategies for Axle Bearings , Period: Jan 2012 – Jan 2015

D. Activitate editorială
1. Associate Editor of IEEE Sensors Journal, Q1 ISI Journal impact factor 2,617;
2. Associate Editor of IEEE Transaction on Instrumentation and Measurements, Q1 ISI Journal impact factor 2,794, since 2016
3. Associate Editor Elsevier, Internet of Things, since 2022
4. Associate Editor of Sensors MDPI Open Journal, Q1 ISI Journal impact factor 2,47, 2018-present;
5. Editorial Board Member, Electronics, MDPI Open Journal, Q1 ISI Journal 2020;
6. Guest Editor of "Sensing and Instrumentation in IoT Era", Sensors MDPI open Journal, 2018-2019;
7. Guest Editor of "Intelligent Sensing Technologies for Nondestructive Evaluation", Sensors MDPI open Journal, 2017-2018;
8. Guest Editor of "Sensing Technology for Healthcare System", Sensors MDPI open Journal, 2017-2018.

E. Brevete obținute în întreaga activitate

1. Postolache O.; Barreiro J.; Passos P., Rede de sensores embutidos ou acoplados para medir a interacção entre o praticante e veículos ou equipamentos desportivos de deslize , Brevet de invenție PT107856 (B).
2. Postolache O.; Delgado L. R. A. F.; Dos Santos G. R. H. M., Transdutor indutivo para ensaios não-destrutivos em materiais condutores com capacidade de geração de campos magnéticos de excitação uniforme e de detecção do campo magnético induzido utilizando magnetoresistências de tipo gigante, Brevet de invenție PT10818(U).
3. Postolache O. ; Girao P. M. B. D. S., Módulo de indentificação e aquisição de dados para transdutores com saída analógica em tensão ou corrente, Brevet de invenție PT104735 B
4. Postolache O. ; Girao P. M. . ; Postolache G. ; Pinheiro E., Unidade do sistema ubíquo para cuidados continuados de saúde com capacidades de localização e monotorização de sinais fisiológicos em sujeitos humanos. Brevet de invenție PT104602 B.
5. Silva Girao P.; Postolache G.; Postolache O. A., Sistema e processo para optimização do funcionamento do equipamento e do método de desfibrilhação/cardioversão para sujeitos humanos , Brevet de invenție PT105456 B.
6. Girao P.; Postolache O.; Postolache G., Medidor de parâmetros fisiológicos baseado em sensores tipo auricular, arquitectura bluetooth distribuída e em telemóveis Brevet de invenție PT104038.

7. Pereira J.   ; Viegas V.; Banha C.; Girao P.; Postolache O. A.; Barreiros J. M. P.; Cunha M., Mediador de sucção não-nutritiva em prematuros , Brevet de invenție PT103979 B.
8. Girao P. S.; Postolache O.; Ramos H. G.; Ferreira J. M. D., Medidor de turbidez para aplicações ambientais , Brevet de invenție PT103629.
9. Girao P. S.; Postolache O., Instrumento portátil móvel para medição dos parâmetros de homeostasia em seres humanos , Brevet de invenție PT103683
10. Girao P. S.; Postolache O., Sistema automático e distribuido de mediação de parâmetros da qualidade da água , Brevet de invenție PT103626 B.

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