# Octavian Adrian Postolache

**Professor Catedrático**
Department of Information Science and Technology (ISTA)

**Coordinator**
Instituto de Telecomunicações - IUL (ISTA)
[Instrumentation and Measurements Group]

**Integrated Researcher**
Instituto de Telecomunicações - IUL (ISTA)
[Instrumentation and Measurements Group]

## Contacts

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| **E-mail** | Octavian.Adrian.Postolache@iscte-iul.pt |
| **Office** | C7.08 |
| **Telephone** | 217650535 (Ext: 221248) |

## Curriculum

Dr. Octavian Adrian Postolache is graduated in Electrical Engineering at the Gh. Asachi Technical University of Iasi, Romania, in 1992 and he received the PhD degree in 1999 from the same university, and university habilitation in 2016 from Instituto Superior Tecnico, Universidade de Lisboa, Portugal. In 2000 he became principal researcher of Instituto de Telecomunicações where he is now Senior Researcher. He joined Instituto Universitario de Lisboa/ ISCTE-IUL Lisbon where he is currently Associate Professor. His fields of interests are smart sensors for biomedical, smart ports and environmental applications, pervasive computing, wireless sensor networks, signal processing for biomedical applications and computational intelligence, IoT and data science. He is active member of national and international research teams involved in Portuguese and EU and International projects. Dr. Postolache is author and co-author of 10 patents, 10 books, 18 book chapters, 82 papers in international journals with peer review, more than 270 papers in proceedings of international conferences. He is IEEE Senior Member I&M Society, Distinguished Lecturer of IEEE IMS, chair of IEEE I&MSTC-13 Wireless and Telecommunications in Measurements and chair of IEEE IMS Portugal Chapter. He is Associate Editor of IEEE Sensors Journal, Sensors MDPI.  He was general chair of IEEE MeMeA 2014, IEEE ISSI 2018 and TPC chair of ICST 2014, Liverpool and ICST 2017 in Sydney, ICST2018 in Limerick. He received IEEE best reviewer and the best associate editor in 2011, 2013 and 2017, and other awards related to his research activity in the field of smart sensing and

IoT.

## Research Interests

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| Smart Sensors for IoT |
| Distributed Systems of Instrumentation |
| Wireless Sensor Networks |
| Remote Sensing |
| Smart Sensors for Biomedical Applications |
| Applied Computation Inteligence  for Sensors and Instrumentation |
| Virtual Reality and Augmented Reality for  Physical Therapy Serious Games |
| Smart Equipments for Physiotherapy |
| Applied Thernography |
| Embedded AI |

## Academic Qualifications

| University/Institution | Type | Degree | Period |
|---|---|---|---|
| Instituto Superior Tecnico/Universidade de Lisboa | Aggregation | Habilitation in  Electrical and Computer Engineering | 2016 |
| Universidade Tecnica Iasi, Romania | PhD | Electrotecnia e Computadores - Metrologia  e Instrumentação | 1999 |
| Universidade Tecnica de Iasi, Romania | Integrated M.Sc. | Electrotecnia e Computadores | 1992 |

## Teaching Activities

| Teaching Year | Sem. | Course Name | Degree(s) | Coord. |
|---|---|---|---|---|
| 2024/2025 | 2º | Innovation in Healthcare Technologies | Master Degree in Health Services Management; | Yes |
| 2024/2025 | 2º | Electronic Circuits and Systems | Bachelor Degree in Telecommunications and Computer Engineering; | Yes |
| 2024/2025 | 2º | Power Electronics | Bachelor Degree in Digital Technologies and Automation; | Yes |
| 2024/2025 | 2º | Manufacturing Management and Information Systems | Bachelor Degree in Digital Technologies and Automation; | Yes |

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| 2024/2025 | 2º | Instrumentation and Industrial Control | Bachelor Degree in Digital Technologies and Automation; | Yes |
| 2024/2025 | 2º | Robotics and Advanced Automation | Bachelor Degree in Digital Technologies and Automation; | Yes |
| 2024/2025 | 1º | Distributed Smart Sensor Systems | Institutional Degree in Escola de Tecnologias e Arquitetura; | Yes |
| 2024/2025 | 1º | Fundamentals of Automation | Bachelor Degree in Digital Technologies and Automation; | Yes |
| 2024/2025 | 1º | Programmable Electronics and Digital Signal Processing | Bachelor Degree in Telecommunications and Computer Engineering (PL); Bachelor Degree in Telecommunications and Computer Engineering; | Yes |
| 2023/2024 | 2º | Research Project in Information Sciences and Technologies I | | Yes |
| 2023/2024 | 2º | Research Project in Information Sciences and Technologies III | | Yes |
| 2023/2024 | 2º | Innovation in Healthcare Technologies | Master Degree in Health Services Management; | Yes |
| 2023/2024 | 2º | Electronic Circuits and Systems | Bachelor Degree in Telecommunications and Computer Engineering; | Yes |
| 2023/2024 | 2º | Smart Systems for Ambient Assisted Living - Aal Everywhere | Postgraduate Seminar in Smart Systems for Ambient Assisted Living - AAL Everywhere; | Yes |
| 2023/2024 | 2º | Digital Rehabilitation and Home - Care Technologies | Other programme in Advanced Programa in Digital Health; | Yes |
| 2023/2024 | 1º | Research Project in Information Sciences and Technologies II | | Yes |
| 2023/2024 | 1º | Research Project in Information Sciences and Technologies IV | | Yes |
| 2023/2024 | 1º | Distributed Smart Sensor Systems | Institutional Degree in Escola de Tecnologias e Arquitetura; | Yes |
| 2023/2024 | 1º | Phd Thesis in Information Science and Technologies | Doctorate Degree (PhD) in Information Science and Technology; | Yes |
| 2023/2024 | 1º | Electronic Circuit Analysis | Bachelor Degree in Digital Technologies and Automation; | Yes |
| 2023/2024 | 1º | Programmable Electronics and Digital Signal Processing | Bachelor Degree in Telecommunications and Computer Engineering (PL); Bachelor Degree in Telecommunications and Computer Engineering; | Yes |
| 2022/2023 | 2º | Research Methods in Information Sciences and Technologies I | | Yes |

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| 2022/2023 | 2º | Research Methods in Information Sciences and Technologies II | | Yes |
| 2022/2023 | 2º | Research and Communication Seminars in Information Sciences and Technologies I | | Yes |
| 2022/2023 | 2º | Research and Communication Seminars in Information Sciences and Technologies II | | Yes |
| 2022/2023 | 2º | Research Project in Information Sciences and Technologies I | | Yes |
| 2022/2023 | 2º | Research Project in Information Sciences and Technologies III | | Yes |
| 2022/2023 | 2º | Phd Thesis in Information Science and Technologies | | Yes |
| 2022/2023 | 2º | Phd Thesis in Information Science and Technologies 0 | | Yes |
| 2022/2023 | 2º | Phd Thesis in Information Science and Technologies II | | Yes |
| 2022/2023 | 2º | Innovation in Healthcare Technologies | Master Degree in Health Services Management; | Yes |
| 2022/2023 | 2º | Electronic Circuits and Systems | Bachelor Degree in Telecommunications and Computer Engineering; | Yes |
| 2022/2023 | 2º | Phd Research Seminar in Sciences and Information Technologies | Doctorate Degree (PhD) in Information Science and Technology; | Yes |
| 2022/2023 | 2º | Phd Thesis in Information Science and Technologies | Doctorate Degree (PhD) in Information Science and Technology; | Yes |
| 2022/2023 | 2º | Phd Thesis in Information Science and Technologies | Doctorate Degree (PhD) in Information Science and Technology; | Yes |
| 2022/2023 | 1º | Research Project in Information Sciences and Technologies II | | Yes |
| 2022/2023 | 1º | Research Project in Information Sciences and Technologies IV | | Yes |
| 2022/2023 | 1º | Phd Thesis in Information Science and Technologies | | Yes |
| 2022/2023 | 1º | Phd Thesis in Information Science and Technologies I | | Yes |

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| 2022/2023 | 1º | Distributed Smart Sensor Systems | Institutional Degree in Escola de Tecnologias e Arquitetura; | Yes |
| 2022/2023 | 1º | Follow Up Seminar on the Phd Project in Science and Information Technologies | Doctorate Degree (PhD) in Information Science and Technology; | Yes |
| 2022/2023 | 1º | Phd Thesis in Information Science and Technologies | Doctorate Degree (PhD) in Information Science and Technology; | Yes |
| 2022/2023 | 1º | Phd Thesis in Information Science and Technologies | Doctorate Degree (PhD) in Information Science and Technology; | Yes |
| 2022/2023 | 1º | Digital Rehabilitation and Home - Care Technologies | Other programme in Advanced Programa in Digital Health; | Yes |
| 2022/2023 | 1º | Programmable Electronics and Digital Signal Processing | Bachelor Degree in Telecommunications and Computer Engineering (PL); Bachelor Degree in Telecommunications and Computer Engineering; | Yes |
| 2021/2022 | 2º | Research Methods in Information Sciences and Technologies II | | Yes |
| 2021/2022 | 2º | Research and Communication Seminars in Information Sciences and Technologies I | | Yes |
| 2021/2022 | 2º | Research and Communication Seminars in Information Sciences and Technologies II | | Yes |
| 2021/2022 | 2º | Research Project in Information Sciences and Technologies I | | Yes |
| 2021/2022 | 2º | Research Project in Information Sciences and Technologies III | | Yes |
| 2021/2022 | 2º | Phd Thesis in Information Science and Technologies | | Yes |
| 2021/2022 | 2º | Phd Thesis in Information Science and Technologies 0 | | Yes |
| 2021/2022 | 2º | Phd Thesis in Information Science and Technologies II | | Yes |
| 2021/2022 | 2º | Innovation in Healthcare Technologies | Master Degree in Health Services Management; | Yes |
| 2021/2022 | 2º | Electronic Circuits and Systems | Bachelor Degree in Telecommunications and Computer Engineering; | Yes |

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| 2021/2022 | 2º | Phd Research Seminar in Sciences and Information Technologies | Doctorate Degree (PhD) in Information Science and Technology; | Yes |
| 2021/2022 | 2º | Follow Up Seminar on the Phd Project in Science and Information Technologies | Doctorate Degree (PhD) in Information Science and Technology; | Yes |
| 2021/2022 | 2º | Phd Thesis in Information Science and Technologies | Doctorate Degree (PhD) in Information Science and Technology; | Yes |
| 2021/2022 | 2º | Smart Systems for Ambient Assisted Living - Aal Everywhere | Postgraduate Seminar in Smart Systems for Ambient Assisted Living - AAL Everywhere; | Yes |
| 2021/2022 | 1º | Research Project in Information Sciences and Technologies II | | Yes |
| 2021/2022 | 1º | Research Project in Information Sciences and Technologies IV | | Yes |
| 2021/2022 | 1º | Phd Thesis in Information Science and Technologies | | Yes |
| 2021/2022 | 1º | Phd Thesis in Information Science and Technologies I | | Yes |
| 2021/2022 | 1º | Distributed Smart Sensor Systems | Institutional Degree in Escola de Tecnologias e Arquitetura; | Yes |
| 2021/2022 | 1º | Phd Research Seminar in Sciences and Information Technologies | Doctorate Degree (PhD) in Information Science and Technology; | Yes |
| 2021/2022 | 1º | Follow Up Seminar on the Phd Project in Science and Information Technologies | Doctorate Degree (PhD) in Information Science and Technology; | Yes |
| 2021/2022 | 1º | Phd Thesis in Information Science and Technologies | Doctorate Degree (PhD) in Information Science and Technology; | Yes |
| 2021/2022 | 1º | Phd Thesis in Information Science and Technologies | Doctorate Degree (PhD) in Information Science and Technology; | Yes |
| 2021/2022 | 1º | Programmable Electronics and Digital Signal Processing | Bachelor Degree in Telecommunications and Computer Engineering (PL); Bachelor Degree in Telecommunications and Computer Engineering; | Yes |
| 2020/2021 | 2º | Research Methods in Information Sciences and Technologies II | | Yes |
| 2020/2021 | 2º | Research and Communication Seminars in Information Sciences and Technologies I | | Yes |

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| 2020/2021 | 2º | Research and Communication Seminars in Information Sciences and Technologies II | | Yes |
| 2020/2021 | 2º | Research Project in Information Sciences and Technologies I | | Yes |
| 2020/2021 | 2º | Research Project in Information Sciences and Technologies III | | Yes |
| 2020/2021 | 2º | Phd Thesis in Information Science and Technologies | | Yes |
| 2020/2021 | 2º | Innovation in Healthcare Technologies | Master Degree in Health Services Management; | Yes |
| 2020/2021 | 2º | Electronic Circuits and Systems | Bachelor Degree in Telecommunications and Computer Engineering; | Yes |
| 2020/2021 | 2º | Phd Research Seminar in Sciences and Information Technologies | Doctorate Degree (PhD) in Information Science and Technology; | Yes |
| 2020/2021 | 2º | Follow Up Seminar on the Phd Project in Science and Information Technologies | Doctorate Degree (PhD) in Information Science and Technology; | Yes |
| 2020/2021 | 2º | Phd Thesis in Information Science and Technologies | Doctorate Degree (PhD) in Information Science and Technology; | Yes |
| 2020/2021 | 2º | Phd Thesis in Information Science and Technologies | Doctorate Degree (PhD) in Information Science and Technology; | Yes |
| 2020/2021 | 2º | Smart Systems for Ambient Assisted Living | Postgraduate Seminar in Smart Systems for Ambient Assisted Living; | Yes |
| 2020/2021 | 2º | Digital Rehabilitation and Home - Care Technologies | Other programme in Advanced Programa in Digital Health; | Yes |
| 2020/2021 | 2º | Programmable Electronics and Digital Signal Processing | Bachelor Degree in Telecommunications and Computer Engineering (PL); Bachelor Degree in Telecommunications and Computer Engineering; | Yes |
| 2020/2021 | 1º | Research Project in Information Sciences and Technologies II | | Yes |
| 2020/2021 | 1º | Research Project in Information Sciences and Technologies IV | | Yes |
| 2020/2021 | 1º | Distributed Smart Sensor Systems | Institutional Degree in Escola de Tecnologias e Arquitetura; | Yes |
| 2020/2021 | 1º | Phd Research Seminar in Sciences and Information Technologies | Doctorate Degree (PhD) in Information Science and Technology; | Yes |

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|---|---|---|---|---|
| 2020/2021 | 1º | Follow Up Seminar on the Phd Project in Science and Information Technologies | Doctorate Degree (PhD) in Information Science and Technology; | Yes |
| 2020/2021 | 1º | Phd Thesis in Information Science and Technologies | Doctorate Degree (PhD) in Information Science and Technology; | Yes |
| 2020/2021 | 1º | Phd Thesis in Information Science and Technologies | Doctorate Degree (PhD) in Information Science and Technology; | Yes |
| 2019/2020 | 2º | Research Methods in Information Sciences and Technologies II | | Yes |
| 2019/2020 | 2º | Research and Communication Seminars in Information Sciences and Technologies I | | Yes |
| 2019/2020 | 2º | Research and Communication Seminars in Information Sciences and Technologies II | | Yes |
| 2019/2020 | 2º | Research Project in Information Sciences and Technologies III | | Yes |
| 2019/2020 | 2º | Phd Thesis in Information Science and Technologies | | Yes |
| 2019/2020 | 2º | Phd Thesis in Information Science and Technologies 0 | | Yes |
| 2019/2020 | 2º | Phd Thesis in Information Science and Technologies II | | Yes |
| 2019/2020 | 2º | Phd Thesis in Information Science and Technologies IV | | Yes |
| 2019/2020 | 2º | Smart Sensors for Iot | | Yes |
| 2019/2020 | 2º | Innovation in Healthcare Technologies | Master Degree in Health Services Management; | Yes |
| 2019/2020 | 2º | Fundamentals of Electronics | Bachelor Degree in Telecommunications and Computer Engineering (PL); | Yes |
| 2019/2020 | 1º | Research Project in Information Sciences and Technologies II | | Yes |
| 2019/2020 | 1º | Research Project in Information Sciences and Technologies IV | | Yes |
| 2019/2020 | 1º | Phd Thesis in Information Science and Technologies | | Yes |

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| 2019/2020 | 1º | Models for Value From Is/IT Investments | | Yes |
| 2019/2020 | 1º | Phd Thesis in Information Science and Technologies I | | Yes |
| 2019/2020 | 1º | Phd Thesis in Information Science and Technologies III | | Yes |
| 2019/2020 | 1º | Distributed Smart Sensor Systems | | Yes |
| 2019/2020 | 1º | Programmable Electronics and Digital Signal Processing | Bachelor Degree in Telecommunications and Computer Engineering (PL); Bachelor Degree in Telecommunications and Computer Engineering; | Yes |

## Supervisions

- **Ph.D. Thesis**

**- Ongoing**

| | Student Name | Title/Topic | Language | Status | Institution |
|---|---|---|---|---|---|
| 1 | António Sérgio Lima Raimundo | A new way to perform inspection plans using Computer Vision and Deep Learning | English | Developing | ISCTE-IUL |
| 2 | João Monge | -- | English | Developing | ISCTE-IUL |
| 3 | João Filipe Rala Cordeiro. | -- | English | Developing | ISCTE-IUL |
| 4 | Valber Cesar Cavalcanti Roza | -- | English | Developing | ISCTE-IUL |
| 5 | Laura Acácio | Implementação de serviços telemáticos: caso da sinalética digital | English | Developing | ISCTE-IUL |
| 6 | Gonçalo Tomé Ribeiro | Research and contribution on smart systems and AI modeling for chronical diseases | English | Developing | ISCTE-IUL |
| 7 | Bárbara Nogueira da Costa | Embedded Artificial Intelligence applied to cardiac healthcare | English | Developing | ISCTE-IUL |
| 8 | Válber César Cavalcanti Roza | Interface multimodal baseada em sinais psicofisiológicos para identificação de padrões das emoções | Portuguese | Developing | ISCTE-IUL |
| 9 | João Pedro Duarte Monge | Smart sensing and virtual environments for physical rehabilitation assessment | English | Developing | ISCTE-IUL |
| 10 | Paulo Abel de Almeida João | Healthcare outlier detection with hierarchical self organizing maps | English | Developing | ISCTE-IUL |

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| 11 | Nelson José Chapungo | Internet das coisas para agricultura de precisão - os desafios da sua implementação em zonas com comunicação deficiente (Nampula - Moçambique) | Portuguese | Developing | ISCTE-IUL |
| 12 | Ricardo António Santos Almeida | Cooperação entre veículos de condução autónoma nas operações de transporte terrestre de mercadorias em portos marítimos inteligentes | Portuguese | Developing | ISCTE-IUL |
| 13 | Behnam Seyedi | Securing communication between Things against cyber-attacks on the internet of Things using the deep learning algorithm | English | Developing | ISCTE-IUL |

**- Concluded**

| | Student Name | Title/Topic | Language | Institution | Concluding Year |
|---|---|---|---|---|---|
| 1 | Mariana Catela Jacob Rodrigues | Healthcare Status and Behavior Monitoring based on Smart Tailored Environments | English | ISCTE-IUL | 2024 |
| 2 | João Filipe Rala Cordeiro | Multimodal data collection and advance processing in a way to achieve a predictive medicine in the babies age segment | English | ISCTE-IUL | 2023 |
| 3 | Eduardo Pinheiro | - Supervisor of the PhD work named "Vital Signals Monitoring" that is developed by the PhD student Eduardo Pinheiro on the IT/IST, Lisboa, The thesis was concluded in December 2013 | English | ISCTE-IUL | 2013 |

## • M.Sc. Dissertations

**- Ongoing**

| | Student Name | Title/Topic | Language | Status | Institution |
|---|---|---|---|---|---|
| 1 | André Filipe Frade Guerra | ThermoDeepPA – Thermography for Precision Agriculture | -- | Developing | ISCTE-IUL |
| 2 | Bruno Filipe Santos Saraiva | Soil IoT | -- | Developing | ISCTE-IUL |
| 3 | Francisco Manuel da Silva Luz | Enhancing Virtual Physiotherapy Through Computer Vision and Pose Estimation | -- | Developing | ISCTE-IUL |
| 4 | Deldo Pedro Santana | Mobile APP for Physical Rehabilitation. | -- | Developing | ISCTE-IUL |
| 5 | Roberto Filipe Cardoso Miguel | SOLAR-IOT – IoT for Precision Agriculture – SoilAir monitoring | -- | Developing | ISCTE-IUL |

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| 6 | Gustavo Laginha Santos Ferreira | RemSIOT– Remote Sensing and IoT for Precision Agriculture | -- | Developing | ISCTE-IUL |
| 7 | Alexandre Rosa Feijó | MIX-Phys: Mixed Reality for Physical Rehabilitation | -- | Developing | ISCTE-IUL |
| 8 | Lídia Mariana Lourenço Marques | Remote Sensing for Catastrophe Scenarios-Data LiDAR from Project Agile | -- | Developing | ISCTE-IUL |
| 9 | Oleksandr Kobelyuk | SoilIoT - Smart Sensing and IoT for Precision Agriculture - Soil Characteristics Monitoring | -- | Developing | ISCTE-IUL |
| 10 | Miguel Leal Palma Fernandes D'Aguiar | Wearable Sensors for Physical Rehabilitation | -- | Developing | ISCTE-IUL |
| 11 | Renato Luís Ferreira Monteiro | A wearable-based system for indoor elderly monitoring | -- | Developing | ISCTE-IUL |
| 12 | Daniel Morgado Dias | AGRO POT -IoT Potentiostats Network for Precision Agriculture | English | Developing | ISCTE-IUL |

**- Concluded**

| | Student Name | Title/Topic | Language | Institution | Concluding Year |
|---|---|---|---|---|---|
| 1 | Teresa Maria Garrido Felício | RemSAGRO - Remote Sensing for Agriculture | English | ISCTE-IUL | 2023 |
| 2 | Gonçalo Franco Morgado | CityIOT - Air Quality in the city supported by IoT ecosystem | English | ISCTE-IUL | 2023 |
| 3 | Diogo Filipe Guedes Soares | SoilIoT - IoT for Precision Agriculture - Soil characteristics monitoring | English | ISCTE-IUL | 2023 |
| 4 | Miguel Gil Ferreira Vaz Gaspar | Serious Game in Augmented Reality 3D for Physical Rehabilitation | English | ISCTE-IUL | 2023 |
| 5 | Beatriz dos Santos Gonçalves | Gait-VR - Gait Rehabilitation in VR interactive scenarios | English | ISCTE-IUL | 2023 |
| 6 | Pedro Miguel Assis Batoca | PhysioEnabler - Intelligent sensor system to aid motor rehabilitation with a web application | English | ISCTE-IUL | 2022 |
| 7 | Rafael da Silva Cardoso | Remote Health Monitoring System for the Elderly based on Mobile Computing and IoT | English | ISCTE-IUL | 2022 |
| 8 | André Raposo de Medeiros de Sousa Baptista | AMELIA - Mobile Memory Training Interface for Older People | English | ISCTE-IUL | 2022 |
| 9 | Joel Vieira Santos | AAL-IoT - Ambient Assisted Living using Non-Intrusive Smart Sensing and IoT for Gait Rehabilitation | English | ISCTE-IUL | 2022 |

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|---|---|---|---|---|---|
| 10 | João Pedro da Silva Neves | M-R-I-o-T: MR and IoT for Physical Rehabilitation | Portuguese | ISCTE-IUL | 2022 |
| 11 | Ana Catarina Rodrigues Gião Santos | Rowing training assessment using smart sensors | English | ISCTE-IUL | 2021 |
| 12 | David Emanuel Magalhães Lourenço | EldyIoT - IoT Assistive System for Elderly | English | ISCTE-IUL | 2021 |
| 13 | Ana Catarina das Dores Ribeiro | Thermo Sense - Remote Sensing System based on Thermography | English | ISCTE-IUL | 2021 |
| 14 | Gonçalo Tomé Ribeiro | Smart System and Mobile Interface for Healthcare: Stress and Diabetes | English | ISCTE-IUL | 2021 |
| 15 | Yuankang Gao | UWB System and Algorithms for Indoor Positioning | English | ISCTE-IUL | 2020 |
| 16 | Yibin Hu | Payload?s Sway Angle Measurement for Container in the Crane system based on Remote Sensing | English | ISCTE-IUL | 2020 |
| 17 | Chen Ye | Underwater Wireless Charging System for Electric Boats | English | ISCTE-IUL | 2020 |
| 18 | Bárbara Nogueira da Costa | VAR-AS - Sustained Attention Detection System in the Learning Environment | English | ISCTE-IUL | 2020 |
| 19 | Sara Cristina Martins Ferreira | Real time Portuguese Sign Language Translation System | Portuguese | ISCTE-IUL | 2019 |
| 20 | Peiyao Tang | Reefer Container monitoring system based on WSN and Cloud technology | English | ISCTE-IUL | 2019 |
| 21 | Zeyu Ma | SLAM research for port AGV based on 2D LIDAR | English | ISCTE-IUL | 2019 |
| 22 | Yongshuang Wang | Synchronous Control for Double Containers Overhead Crane | English | ISCTE-IUL | 2019 |
| 23 | Lin Ma | AGV-RAD: AGV Positioning System for Ports using Microwave Doppler Radar | English | ISCTE-IUL | 2019 |
| 24 | Mariana Catela Jacob Rodrigues | SAGA - Smart Gateway for Adaptive Environments | English | ISCTE-IUL | 2019 |
| 25 | Yu Jin | Augmented Reality System with application in Physical Rehabilitation | English | ISCTE-IUL | 2019 |
| 26 | Dongchen Ni | Research on Port AGV Composite Positioning Based on UWB/RFID | English | ISCTE-IUL | 2019 |
| 27 | Pedro Martim Valente de Lima Frango | Smart Object for Physical Rehabilitation Assessment | Portuguese | ISCTE-IUL | 2018 |
| 28 | Regina de Souza | Palsy Thera Sense - Sensorized Rehabilitation System for Children with Cerebral Palsy | Portuguese | ISCTE-IUL | 2018 |

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|---|---|---|---|---|---|
| 29 | João Pedro Duarte Monge | PhysioAR - Smart Sensing and Augmented Reality for Physical Rehabilitation | Portuguese | ISCTE-IUL | 2018 |
| 30 | Paulo Nuno Dias de Almeida Barreto Leite | Gait Rehabilitation Monitor | Portuguese | ISCTE-IUL | 2018 |
| 31 | Ricardo José Farinha Alexandre | Aplicação Tecnológica da Internet das Coisas e Vestuário para Reabilitação Física | Portuguese | ISCTE-IUL | 2018 |
| 32 | Carlos Miguel Alpedrinha Ramos de Almeida Nave | IoPhyR - Physical Rehabilitation IoT System | Portuguese | ISCTE-IUL | 2018 |
| 33 | Ana Catarina Duque Dias | Cyclist performance assessment based on WSN and Cloud technologies | Portuguese | ISCTE-IUL | 2018 |
| 34 | Rui Madeira | Model-driven Personalisation of Human-Computer Interaction across Ubiquitous Computing Applications | English | Universidade Nova de Lisboa | 2017 |
| 35 | Nuno Gonçalo Matos Pardal | Sistema de Monitorização Biométrica e de Assistência Médica 4G | Portuguese | ISCTE-IUL | 2017 |
| 36 | Diogo Veiga Ferreira | Physical Rehabilitation based on Kinect Serious Games-ThG Therapy Game | English | ISCTE-IUL | 2017 |
| 37 | Filipe da Costa Pereira Lourenço | LeaPhysio - Games Enhanced Physical Rehabilitation | English | ISCTE-IUL | 2017 |
| 38 | Bruno Miguel Nunes da Silva | Exploratory Cluster Analysis from Ubiquitous Data Streams using Self-Organizing Maps | English | Universidade Nova de Lisboa | 2016 |
| 39 | Tiago Miguel Nunes Ribeiro | Performance Assessment for Mountain Bike based on WSN and Cloud Technologies | English | ISCTE-IUL | 2016 |
| 40 | João Ricardo Baptista de Matos | IoT Enabled Aquatic Drone for Environment Monitoring | English | ISCTE-IUL | 2016 |
| 41 | Fábio Miguel Mariano Silva | Football Game Analysis. | English | ISCTE-IUL | 2015 |
| 42 | Eduardo Silva Reis | Medo ou Humor em Campanhas Antitabágicas? Efeitos na Perceção da sua Eficácia, Políticas Antitabágicas, Desejo e Suscetibilidade em Fumar | Portuguese | ISCTE-IUL | 2015 |
| 43 | José Miguel Lopes Barreiro | Smart Mountain Bike | English | ISCTE-IUL | 2014 |
| 44 | Nuno Miguel Santos Duarte | KSGphysio - Kinect Game for Physiotherapy | English | ISCTE-IUL | 2014 |
| 45 | Rúben Tiago Lopes Costa | m-health - Dispositivos inteligentes e computação mobile com aplicação na fisioterapia | Portuguese | ISCTE-IUL | 2014 |

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|---|---|---|---|---|---|
| 46 | Ana Filipa Teixeira Martins | Sistema de Informação Distribuídos para Monitorização da Qualidade do Ar | Portuguese | ISCTE-IUL | 2013 |

### • M.Sc. Final Projects

**- Ongoing**

| | Student Name | Title/Topic | Language | Status | Institution |
|---|---|---|---|---|---|
| 1 | Paulo João | Outlier Detection in Healthcare with Hierachical Self Organizing Maps Mixed Data | English | Developing | ISCTE-IUL |

**- Concluded**

| | Student Name | Title/Topic | Language | Institution | Concluding Year |
|---|---|---|---|---|---|
| 1 | Cátia Malisa Chen | LearnS Business Plan | Portuguese | ISCTE-IUL | 2021 |

## Total Citations

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|---|---|
| **Web of Science®** | 2337 |
| **Scopus** | 3165 |

## Publications

### • Scientific Journals

**- Scientific journal paper**

| | |
|---|---|
| 1 | Ribeiro, G., Monge, J., Postolache, O. & Pereira, J. M. D. (2024). A novel AI approach for assessing stress levels in patients with type 2 diabetes mellitus based on the acquisition of physiological parameters acquired during daily life. Sensors. 24 (13) |
| 2 | Ribeiro, G., Postolache, O. & Martin, F. F. (2024). A new intelligent approach for automatic stress level assessment based on multiple physiological parameters monitoring. IEEE Transactions on Instrumentation and Measurement. 73, 1-14<br>- Times Cited Web of Science®: 3<br>- Times Cited Scopus: 3<br>- Times Cited Google Scholar: 4 |
| 3 | Postolache, S., Sebastião, P., Viegas, V., Dias Pereira, J. M & Postolache, O. (2023). Empathizing with plants in tropical botanical garden through IoT instrumentation for air and soil characteristics monitoring. IEEE Instrumentation and Measurement Magazine. 26 (7), 41-52 |

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| 4 | Jacob Rodrigues, M., Postolache, O. & Cercas, F. (2023). The influence of stress noise and music stimulation on the autonomous nervous system. IEEE Transactions on Instrumentation and Measurement. 72, 18<br>- Times Cited Scopus: 2<br>- Times Cited Google Scholar: 1 |
| 5 | Monge, J., Raimundo, A., Ribeiro, G., Postolache, O. & Santos, J. (2023). AI-based smart sensing and AR for gait rehabilitation assessment. Information. 14 (7)<br>- Times Cited Web of Science®: 3<br>- Times Cited Scopus: 8<br>- Times Cited Google Scholar: 7 |
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**- Editorial**

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**- Review article**

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## • Books and Book Chapters

**- Book author**

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| 70 | Postolache, O., Girão, P. M., P.S. Girao, Ijaz, H., J. Freire & Freire, J. (2012). IEEE 1451.4 embedded smart sensors architecture for wheelchair user monitoring. In IEEE Instrumentation and Measurement Society (Ed.), MeMeA 2012 - 2012 IEEE Symposium on Medical Measurements and Applications, Proceedings. (pp. 15-19). Budapest: IEEE.<br>- Times Cited Scopus: 10<br>- Times Cited Google Scholar: 16 |
| 71 | Pinheiro, E. C., Postolache, O. & Girão, P. M. (2010). Online heart rate estimation in unstable ballistocardiographic records. In 2010 32nd Annual International Conference of the IEEE Engineering in Medicine and Biology Society, EMBC'10. (pp. 939-942). Buenos Aires: IEEE.<br>- Times Cited Web of Science®: 3<br>- Times Cited Scopus: 6<br>- Times Cited Google Scholar: 12 |
| 72 | Postolache, O., Postolache, G. & Girão, P. S. (2010). Non-invasive mobile homeostasis instrument. In IEEE International Workshop on Medical Measurement and Applications, MeMeA 2006. (pp. 94-97). Benevento: IEEE.<br>- Times Cited Web of Science®: 8<br>- Times Cited Scopus: 14<br>- Times Cited Google Scholar: 15 |

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| 73 | Postolache, O., Girao, P. S., Lunca, E., Bicleaknu, P. & Andrusca, M. (2009). Unobtrusive cardio-respiratory monitoring based on microwave Doppler radar. In EPE 2012 - Proceedings of the 2012 International Conference and Exposition on Electrical and Power Engineering. (pp. 591-600). Iasi: IEEE.<br>- Times Cited Scopus: 7<br>- Times Cited Google Scholar: 9 |
| 74 | Postolache, O., Girão, P. M. , Dias Pereira, J. M., Ferraria, G., Barroso, N. & Postolache, G. (2009). Indoor monitoring of respiratory distress triggering factors using a wireless sensing network and a smart phone. In 2009 IEEE Instrumentation and Measurement Technology Conference, I2MTC 2009. (pp. 451-456). Singapore: IEEE.<br>- Times Cited Scopus: 20<br>- Times Cited Google Scholar: 29 |

**- Talk**

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|---|---|
| 1 | Postolache, O. (2023). Smart Systems and AI for Precision Agriculture. International Conference on Sensing Technology. |
| 2 | Postolache, O. (2023). Smart City Air Quality Monitoring supported IoT ecosystem. International Conference on Sensing Technology. |
| 3 | Postolache, O. (2023). Smart Sensing Systems and AI for Precision Agriculture in Climate Changes Era. International Conference on Sensing Technology. |
| 4 | Postolache, S., Sebastião, P., Viegas, V. & Postolache, O. (2023). IoT Smart Sensor System for Soil Characteristics Monitoring in a Vineyard. International Scientific Conference . |
| 5 | Postolache, O. (2023). Smart Sensing Systems and AI for Precision Agriculture in Climate Changes Era. International Conference PuneCON. |
| 6 | Postolache, O. (2023). AAL and Beyond: From Sensors and Instrumentation toAI. Instrenational Workshop Smart Systems for AAL. |
| 7 | Batista, André, Postolache, O., Mendes, D. A., Reis, E. & undefined (2022). Memory Training Interface for Elderly based on Mobile APP. 2022 International Conference and Exposition on Electrical And Power Engineering (EPE). |
| 8 | Postolache, O. (2022). Physical Therapy Gait Assessment based on Smart Sensing and Cloud Services. International Symposium on Sensing and Instrumentation in 5G and IoT Eras. |
| 9 | Postolache, O. (2022). IoT Smart Sensor System for Soil Characteristics Monitoring in a Vineyard. International Scientific Conference "Suistanable Agriculture and Rural Development III. |
| 10 | Postolache, O. (2021). Length of Stay Analysis at Neonatal Care Units with Data Science - Preliminary Results. 2021 IEEE International Symposium on Medical Measurements and Applications (MeMeA). |
| 11 | Postolache, O. (2020). Smart Sensors and Tailored Environments for Physical Therapy in IoT Era. International School on IoT Boosting Education of IoT for Modernization and Employability. |
| 12 | Postolache, O. (2020). Smart Sensors and Tailored Environments for Neuro-Motor Rehabilitation Monitoring in IoT Era. Trinity College Dublin Seminar. |

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| 13 | Postolache, O. (2020). Smart Sensing for Physical Therapy in IoT Era: AR, VR and Thermography Applications. IEEE 2020 IEEE 17th International Conference on Smart Communities: Improving Quality of Life Using ICT, IoT and AI . |
| 14 | Postolache, O. (2020). Smart Sensors for Physical Therapy in IoT Era. Al Farabi Kazach National Univesrity Seminar. |
| 15 | Postolache, O. (2020). Smart Sensors and Tailored Environments for Neuro-Motor Rehabilitation Monitoring in IoT Era. IEEE IMS Virtual DL Webinar Series. |
| 16 | Arriaga, P., Alexandre, J., Postolache, O., Fonseca, M.J., Langlois, T. & Chambel, T. (2019). Why do we watch? The role of emotional, cognitive and social gratifications in predicting movie recommendation, rewatchability and genre preferences. 16th European Congress of Psychology. |
| 17 | Postolache, O. (2019). Smart Tailored Environments for Neuro-Motor Rehabilitation Monitoring in IoT Era. IEEE IMS Seminar Auckland New Zeeland. |
| 18 | Reis, E., Postolache, G., Teixeira, L., Arriaga, P., Lima, M. L. & Postolache, O. (2018). Exergames for motor rehabilitation in older adults: An umbrella review. 12º Congresso Nacional de Psicologia da Saúde. |
| 19 | Reis, E., Arriaga, P., Lima, M. L., Teixeira, L., Postolache, G. & Postolache, O. (2018). Tailored virtual environments for physiotherapy: Using an exergame to increase motivation for exercise. 12º Congresso Nacional de Psicologia da Saúde. |
| 20 | Postolache, O. (2018). Electrospinning Application on Fabrication of PMMA Nanofibers Membranes for Electrochemical Sensors. EPE 2018, Iasi. |
| 21 | Postolache, O. (2018). Smart Object for Physical Rehabilitation Assessment. EPE 2018.<br>- Times Cited Web of Science®: 2<br>- Times Cited Scopus: 2 |
| 22 | Ferreira, D., Oliveira, R. & Postolache, O. (2017). Physical Rehabilitation based on Kinect Serious Games. International Conference on Sensing Technology.<br>- Times Cited Web of Science®: 1 |
| 23 | Reis, E., Postolache, O., Arriaga, P., Lima, M. L., Postolache, G., Postolache, G....Teixeira, L. (2017). Personalized physiotherapy environments: a project using a tailored approach, serious games and smart sensors for motor-rehab. XIV Congresso de Psicologia Ambiental – PSICAMB. |
| 24 | Postolache, O. (2016). Unobtrusive Sensing and Pervasive Computing for Healthcare. SSD 2016. |
| 25 | Arriaga, P., Reis, E. & Postolache, O. (2016). Persuadir com Medo ou Humor? Fluxo Emocional e Eficácia Percebida de Campanhas Antitabágicas. 11º Congresso Nacional de Psicologia da Saúde, Tema: . |
| 26 | Arriaga, P., Reis, E. & Postolache, O. (2016). Fear or humor in anti-smoking campaigns? Effects on emotions, perceived effectiveness, and anti-smoking policies. 30th Conference of the EHPS/DHP “Behaviour change: Making an impact on health and health services”.<br>- Times Cited Google Scholar: 1 |
| 27 | Postolache, O. (2015). Unobtrusive Smart Sensing and Pervasive Computing for Healthcare: Cardiorespiratory and Physical Rehabilitation Monitoring. Trend in Instrumentation and Measurements Workshop Portugal - Brasil. |

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| 28 | Oliveira, R., Postolache, G., Moreira, I., Mariano, J., Pedro, L., Vicente, S....Postolache, O. (2015). Perspectivas dos fisioterapeutas sobre o registo de saúde electrónico em fisioterapia. 9º Congresso Nacional de Fisioterapeutas. |
| 29 | Postolache, O. (2015). Unobtrusive Smart Sensing and Pervasive Computing for Healthcare: Cardiorespiratory and Physiotherapy Monitoring. Workshop Universidade Santa Catarina, Florianopolis. |
| 30 | Postolache, O. (2015). Modeling and Optimization of Unobtrusive Smart Sensing and Pervasive Computing for Healthcare. Advanced Topics on Electrical Engineering. |
| 31 | Postolache, O., F. Cary, N. Duarte & Girão, P.M (2015). Physiotherapy Assessment based on Kinect and Mobile APPs ,. International Conference on Information Intelligence and Applications. 1, 1-6 |
| 32 | Postolache, G., Pedro, L., Oliveira, R. & Postolache, O. (2015). Older adults: are they ready to adopt ICT for physical therapy? . People Inc Asia -Oceania Congress For Neurorehanilitation AOCNR. |
| 33 | Reis, E., Arriaga, P. & Postolache, O. (2015). Effect of fearful and humorous anti-smoking campaigns on perceived effectiveness in preventing and reducing tobacco consumption. XI PhD Meeting in Social and Organizational Psychology, ISCTE-IUL. |
| 34 | Postolache, O. (2015). Unobtrusive Smart Sensing and Pervasive Computing for Healthcare: Cardiorespiratory and Physical Rehabilitation Monitoring. Workshop Massey University. |
| 35 | Postolache, O. (2015). Unobtrusive Smart Sensing and Pervasive Computing for Healthcare: Cardiorespiratory and Physiotherapy Monitoring. International Conference on Sensor Technology. |
| 36 | Reis, E., Arriaga, P. & Postolache, O. (2015). Emotional Flow Monitoring for Health using FLOWSENSE: An experimental study to test the impact of Antismoking Campaigns. IEEE International Conference on e-Health and Bioengineering, IEEE-EHB 2015. |
| 37 | Reis, E., Arriaga, P. & Postolache, O. (2015). Effect of Fearful and Humorous Anti-smoking Campaigns on the Perception of their Effectiveness in Preventing and Reducing Tobacco Consumption. XI PhD Meeting in Social and Organizational Psychology. |
| 38 | Postolache, O., Girão, P. M., Dias Pereira, J. M & Postolache, G. (2015). Wearable System for Gait Assessment during Physical Rehabilitation Process. International Symposium on ADVANCED TOPICS IN ELECTRICAL ENGINEERING. ATEE 2015. 1, 1-6 |
| 39 | Postolache, O. (2015). Unobtrusive Smart Sensing and Pervasive Computing for Healthcare: Cardiorespiratory and Physiotherapy Monitoring. 7th Seminar on Electronics and Advanced Design. |
| 40 | Postolache, O., V, Girão, P.M, M. Dias Pereira & G. Postolache (2014). Toward developing a smart wheelchair for user physiological stress and physical activity monitoring. IEEE International Symposium on Medical Measurements and Applications (MeMeA), 2014. 1, 1-6 |
| 41 | Postolache, G., Postolache, O. & Girão, P.M (2014). Applying Smartphone Apps to Drive Greater Patient Engagement in Personalized Physiotherapy . IEEE International Symposium on Medical Measurements and Applications. 1, 1-6 |
| 42 | F. Cary & Postolache, O. (2014). Kinect Based System and Serious Game Motivating Approach for Physiotherapy Assessment and Remote Session Monitoring. International Conference on Sensing Technology. 1, 1-6 |

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| 43 | V. Viegas, M. Dias Pereira, Postolache, O. & Girão, P.M (2014). Viegas, V.V.; Dias Pereira, J. M.; Postolache, O.; Girão, P.M. Proc International Conf. and Exposition on Electrical and Power Engineering - EPE, Iasi, Romania. 1, 1-5 |
| 44 | L. Costa, R. Madeira & Postolache, O. (2014). PhysioMate - Pervasive Physical Rehabilitation based on NUI and Gamification. International Workshop on Electromagnetic Compatibility and Engineering in Medicine and Biology - EPE-W. 1, 1-6 |

## • Other Publications

**- Working Papers**

| | |
|---|---|
| 1 | Carvalho, J., Postolache, G., Postolache, G., Arriaga, P., Teixeira, L., Lima, M. L....Postolache, O. (2018). Exergames for motor rehabilitation in older adults: an umbrella review of systematic reviews and meta-analysis. |

**- Non-peer-reviewed papers**

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|---|---|
| 1 | Dias Pereira, J. M, Viegas, V., V, Postolache, O., Girão, P. M. & P.S. Girao (2019). A Dual Measurement and Stimulating System to Monitor and Promote NNS. Journal of Physics: Conference Series (JPCS). |

**- Other publications**

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|---|---|
| 1 | Reis, E., Teixeira, L., Postolache, G., Arriaga, P., Lima, M. L. & Postolache, O. (2017). Exergames for motor rehabilitation in older adults: an umbrella review of systematic reviews and meta-analysis. International prospective register of systematic reviews (PROSPERO) . |

## Research Projects

| Project Title | Role in Project | Partners | Period |
|---|---|---|---|
| Soluções inteligentes para uma agricultura sustentável, preditiva e autónoma | Researcher | IT-Iscte, IT-Iscte, TOMIX - Leader (Portugal), Adega Cooperativa São Mamede da Ventosa, CRL - (Portugal), Centro Operativo e Tecnológico Hortofrutícola Nacional - (Portugal), FCUL - (Portugal), Associação para a Valorização Agraria - (Portugal), Faculdade de Ciências e Tecnologia da Universidade Nova de Lisboa - (Portugal), FLOWAKE - (Portugal), IMPACTWAVE - (Portugal), INESC TEC - (Portugal), Instituto Nacional de Investigação Agrária e Veterinária, I.P. - (Portugal), IPL - (Portugal), Laboratório Colaborativo para a Inovação Digital na Agricultura - (Portugal), Luis Vicente - (Portugal), OPTIMIZEPLANET - (Portugal) | 2020 - 2023 |

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|---|---|---|---|
| 2020 | Evaluation of agro-ecological development potential through transnational cooperation and entrepreneurial innovation | Local Coordinator | IT-Iscte, UNIVERSITATEA DIN BUCURESTI - Leader (Romania), UNIVERSITA DEGLI STUDI DI CATANIA - (Italy), Institute of Agricultural Economics - (Serbia), ACADEMIA DE STUDII ECONOMICE DIN BUCURESTI - (Romania) |
| 2019 - 2022 | 2019 | AWESOME! Awareness While Experiencing and Surfing On Movies through Emotions | Researcher |
| CIS-Iscte (BEC), IT-Iscte, IT-IUL - (Portugal), FCUL - Leader (Portugal) | 2018 - 2021 | 2018 | WeHope - Wearable e-health optical fiber monitoring system |
| Local Coordinator | IT-Iscte | 2016 - 2018 | 2016 |
| Smart Sensors and Tailored Environments for Physiotherap | Local Coordinator | IT-Iscte | 2016 - 2019 |
| 2016 | Remaining Life Evaluation of Catalytic Furnace Tubes | Local Coordinator | IT-Iscte |
| 2014 - 2016 | 2014 | Electronic Health Records: Needs, Requirements, and Barriers of Adoption in Physiotherapy | Local Coordinator |
| IT-Iscte | 2013 - 2015 | 2013 | INTEROPERABLE MONITORING, DIAGNOSIS AND MAINTENANCE STRATEGIES FOR AXLE BEARINGS |
| Local Coordinator | IT-Iscte | 2011 - 2015 | 2011 |
| Kernel Method Applied to Non Destructive Evaluation | Local Coordinator | IT-Iscte | 2011 - 2013 |
| 2011 | Optical Measurement of Guided Acoustic Waves in Solid Media | Local Coordinator | IT-Iscte |

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|---|---|---|---|
| 2011 - 2013 | 2011 | Spectrum Monitorization and Control. Integration of Infrastructures | Local Coordinator |
| IT-Iscte | 2010 - 2020 | 2010 | Electronic Health Records for Wheelchairs Users |
| Local Coordinator | IT-Iscte | 2010 - 2012 | 2010 |
| HomeTelecare | Local Coordinator | IT-Iscte | 2020 |
| 2020 | Water Quality Assessment in Sado Estuary | Local Coordinator | IT-Iscte |
| 2010 - 2012 | 2010 | Inteligence in Laboratories | Local Coordinator |
| IT-Iscte | 2010 - 2012 | 2010 | Detection, Classification and Estimation of Defects in Metallic Plates Subject to Manual Inspection |
| Local Coordinator | IT-Iscte | 2008 - 2010 | 2008 |
| Flaw Imaging in Metals by Contactless Conductivity | Local Coordinator | IT-Iscte | 2007 - 2011 |
| 2007 | Listening Dolphins and Measuring the Water Quality where they Live | Local Coordinator | IT-Iscte |
| 2006 - 2008 | 2006 | Smart System for Monitoring of Wild Dolphin – Antropogenic Factors Interactions | Local Coordinator |
| IT-Iscte | 2005 - 2008 | 2005 | Dolphins and Water |
| Local Coordinator | IT-Iscte | 2005 - 2007 | 2005 |
| Instrumentation Distributed System for Environmental Monitoring | Local Coordinator | IT-Iscte | 2002 - 2004 |

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|---|---|---|---|
| 2002 | Update and Extension of the Measuring Capabilities of the Instrumentation and Measurement Group of the Institute of Telecommunications - Lisbon | Local Coordinator | IT-Iscte |
| 2002 - 2006 | 2002 | Global Monitoring Based on Smart Sensors for Environment Quality | Local Coordinator |

## Academic Management Positions

Director (2023 - 2025)
Unit/Area: [0389] Digital Technologies and Automation

Coordenador do 1º Ano (2023 - 2024)
Unit/Area: [0389] Digital Technologies and Automation

Director (2023)
Unit/Area: [0389] Digital Technologies and Automation

Director (2023)
Unit/Area: [0405] Smart Systems for Ambient Assisted Living - AAL Everywhere

Director (2022 - 2023)
Unit/Area: [B408] Information Science and Technology

Director (2022)
Unit/Area: [0405] Smart Systems for Ambient Assisted Living - AAL Everywhere

Director (2022 - 2023)
Unit/Area: [0389] Digital Technologies and Automation

Director (2021)
Unit/Area: [0372] Smart Systems for Ambient Assisted Living

Membro (Docente) (2021 - 2023)
Unit/Area: Plenário do Conselho Científico

Director (2020 - 2022)
Unit/Area: [B408] Information Science and Technology

Membro (Docente) (2020 - 2023)
Unit/Area: Plenário da Comissão Científica

Director (2020 - 2023)
Unit/Area: Institute of Telecommunications-IUL

Presidente (2020 - 2023)
Unit/Area: Comissão Científica

Membro (Docente) (2020 - 2023)
Unit/Area: Comissão Científica

Membro (Docente) (2019 - 2021)
Unit/Area: Plenário do Conselho Científico

Director (2018 - 2020)
Unit/Area: [B408] Information Science and Technology

Presidente (2017 - 2020)
Unit/Area: Comissão Científica

Membro (Docente) (2017 - 2020)
Unit/Area: Comissão Científica

Director (2017 - 2020)
Unit/Area: Institute of Telecommunications-IUL

Membro (Docente) (2017 - 2019)
Unit/Area: Plenário do Conselho Científico

Director (2016 - 2018)
Unit/Area: [B408] Information Science and Technology

Sub-diretor (2014 - 2017)
Unit/Area: Institute of Telecommunications-IUL

Membro (2014 - 2017)
Unit/Area: Comissão Científica

## Awards

Best Performing Associate Editor for 2013, IEEE Sensors Journal (2013)

## Professional Associations

IEEE Intelligent Transportation Society (2018 - 2020)

IEEE Engineering in Medicine & Biology Society (2009 - 2020)

IEEE Instrumntation and Measurement Society (1999 - 2020)

## Organization/Coordination of Events

| Type of Organization/Coordination | Event Title | Organizer | Year |
|---|---|---|---|
| Coordination of scientific event (with scientific committee) outside of ISCTE-IUL | International Symposium on Sensing and Instrumentation in 5G and IoT Era | IEEE, IT, SMU, ISCTE | 2022 |
| Coordination of scientific event (with scientific committee) at ISCTE-IUL | International Symposium on Sensing and Intrumentation in IoT Era - ISSI 2019 | Octavian Adrian Postolache | 2019 |
| Coordination of scientific event (with scientific committee) outside of ISCTE-IUL | INSTICC Sensornets 2013 Barcelona | Octavian Postolache | 2013 |

## Scientific Editing/Reviewing Activities

| Type of Activity | Journal Title | ISSN/Quartile | Period | Language |
|---|---|---|---|---|
| Scientific journal editor | IEEE Sensors Journal | 1530-437X / Q1 (T10) | 2023 - 2024 | English |
| Scientific journal editor | Sensors MDPI | 1424-8220 / Q1 (T10) | 2022 - 2023 | English |
| Scientific journal editor | IEEE Sensors Journal | 1530-437X / Q1 (T10) | 2022 - 2023 | English |
| Scientific journal editor | IEEE Transaction on Instrumentation and Measurement | 1557-9662 / Q1 (T10) | 2022 - 2023 | English |
| Scientific journal editor | Sensors MDPI open Journal | -- | Since 2018 | English |
| Member of scientific journal editing staff | IEEE Transaction on Instrumentation and Measurement | -- | 2016 - 2017 | English |
| Member of scientific journal editing staff | IEEE Sensors Journal | -- | Since 2012 | English |