

**Warning:** [2026-04-14 00:35] this document is a print-out of the Ciência-iul web portal and was automatically generated at the labeled date. The document has a mere informational purpose and represents the information contained on Ciência\_Iscte at that date.

## Conceição Pereira

### Assistente Convidada

ISTAR-Iscte - Information Sciences, Technologies and Architecture Research Centre  
Department of Digital Technologies (ETDA)



## Contacts

<b>E-mail</b>	Maria_C_Pereira@iscte-iul.pt
<b>Office</b>	D6.10

## Curriculum

Maria da Conceicao Pereira (see detailed CV) is an invited teacher at ISCTE-IUL.

In the 2025-2026 academic year she is teaching Computer Architecture (CA) at ISCTE-Sintra.

In the 2024-2025 academic year she taught Operating Systems and Virtualization (OSV) at ISCTE-Sintra.

In the 2023-2024 academic year she taught Operating Systems and Virtualization (OSV) at ISCTE-Sintra.

In the 2022-2023 academic year she taught Operating Systems and Virtualization (OSV) at ISCTE-Sintra.

In the school year 2020-2021 she taught Fundamentals of Computer Architecture at ISCTE.

She is working toward a PhD degree at ISCTE-IUL as a worker/student, and she is a Research Assistant at ISTAR, an ISCTE's R&D unit. Her PhD supervisors are: Sérgio Moro, Miguel Sales Dias, João Carlos Ferreira. She holds a 5-year BSc in Electrical Engineering, and the curricular units of MSc in Electrical and Computer Engineering, (both from IST-UTL, Portugal).

She has been tutoring (<https://www.euexplico.pt>) higher education students since 2008, mainly in the subjects: Analog and Digital Electronics, Architecture of Computer Systems, Control Systems, Circuit Analysis, Communications Systems, Digital Systems, Digital Signal Processing, Electrical and Electromechanical Systems, Electronic Systems, High-Performance Computing Architectures, Process Automation, Instrumentation and Measurements, Mechatronic Signals and Systems, Microprocessors, Microsoft Applications, Modelling and Simulation, Physics, Programming Languages, Sensors and Signals Instrumentation, Signals and Systems.

She was also an IT consultant from 1988 to 2019 and a professional IT trainer from 1988 to 2002.

## Research Interests

Data Science, Data Mining, Text Mining, Sentiment Analysis
Internet of Things
Decision Support Systems
Artificial Intelligence
Matlab and Matlab/Simulink applied to control systems, sensors, actuators and data science
Advanced computer architectures, reconfigurable hardware
Electronics, integrated circuit electronics
Control systems, robotics

## Academic Qualifications

University/Institution	Type	Degree	Period
ISCTE-Instituto Universitário de Lisboa	PhD	Ciências e Tecnologias da Informação	2024
ISCTE-Instituto Universitário de Lisboa Escola de Tecnologias e Arquitectura	Other type of qualification	Seminario de Especializacao em Internet das Coisas para Cidades Inteligentes	2020
Universidade de Lisboa - Instituto Superior Tecnico	Licenciate	Engenharia Electrotécnica e de Computadores	2003

## External Professional Activities

Period	Employer	Country	Description
Since 2008	Self employed	Portugal	Electrical engineering and computer science tutor
Since 1988	Self employed	Portugal	Consultancy, training and technical assistance for companies and individuals on topics related to IT and information technology.

## Teaching Activities

Teaching Year	Sem.	Course Name	Degree(s)	Coord
2025/2026	1º	Computer Architecture	Bachelor Degree in Software and Applications Development;	No
2024/2025	1º	Operating Systems and Virtualization	Bachelor Degree in Digital Technologies and Information Security; Bachelor Degree in Software and Applications Development;	Yes

2023/2024	1º	Operating Systems and Virtualization	Bachelor Degree in Digital Technologies and Information Security; Bachelor Degree in Software and Applications Development;	No
2022/2023	1º	Operating Systems and Virtualization	Bachelor Degree in Software and Applications Development;	No
2020/2021	1º	Fundamentals of Computer Architecture	Bachelor Degree in Computer Science and Business Management (PL); Bachelor Degree in Computer Engineering; Bachelor Degree in Computer Science and Business Management;	No

## Total Citations

<b>Web of Science®</b>	10
<b>Scopus</b>	13

## Publications

### • Scientific Journals

#### - Scientific journal paper

1	<p>Elvas, L. B., Marreiros, C. F., Dinis, J. M. , Pereira, M. C. , Martins, A. L. &amp; Ferreira, J. C. (2020). Data-driven approach for incident management in a smart city. <i>Applied Sciences</i>. 10 (22)</p> <ul style="list-style-type: none"> <li>- Times Cited Web of Science®: 7</li> <li>- Times Cited Scopus: 10</li> <li>- Times Cited Google Scholar: 21</li> </ul>
---	---

### • Books and Book Chapters

#### - Book chapter

1	<p>Pereira, M. C. (2025). Flipped learning and eduScrum in an operating systems and virtualisation course. In Sónia Pintassilgo, Alexandre Almeida, Ana Catarina Nunes, Helena Soares, Isabel Correia, Patrícia Dinis Costa, Vania Baldi, David Isaac, Henrique Lage, Beatriz Saavedra, Gonçalo Tomé Ribeiro, Helena Alvito (Ed.), <i>Novos Exemplos de práticas pedagógicas e estratégias de inovação pedagógica no Iscte</i>. (pp. 221-248). Lisboa: Iscte – Instituto Universitário de Lisboa.</p>
2	<p>Maria C. Pereira &amp; Dias, J. (2023). Pedagogical innovation in an operating systems and virtualisation course. In <i>Exemplos de práticas pedagógicas e estratégias de inovação pedagógica no ISCTE</i>. (pp. 175-188).</p> <ul style="list-style-type: none"> <li>- Times Cited Google Scholar: 1</li> </ul>
3	<p>Maria C. Pereira, Ferreira, J., Moro, S. &amp; Gonçalves, F. (2022). University Digital Engagement of Students. In Elisa Bertino, Wen Gao, Moti YungBernhard Steffen, Gerhard Woeginger, (Ed.), <i>Sense, Feel, Design. INTERACT 2021. Lecture Notes in Computer Science</i>. (pp. 376-390).: Springer.</p> <ul style="list-style-type: none"> <li>- Times Cited Web of Science®: 3</li> <li>- Times Cited Scopus: 3</li> <li>- Times Cited Google Scholar: 4</li> </ul>

## • Other Publications

### - Other publications

1	Maria C. Pereira (2000). Sistemas de Informação e Bases de Dados. Manual criado para o curso de formação profissional no INEPI (formação presencial).
2	Maria C. Pereira (1997). Hardware I. Manual preparado para o curso de formação profissional na Digito e Evolui (formação online).