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## Conceição Pereira

### Research Assistant

ISTAR - Information Sciences, Technologies and Architecture Research Centre (ISTA)  
[Information Systems]



### Contacts

#### E-mail

Maria\_C\_Pereira@iscte-iul.pt

#### Office

D6.10

### Curriculum

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

In the 2023-2024 academic year she is teaching 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	Licenciante	Engenharia Electrotécnica e de Computadores	2003

## Teaching Activities

Teaching Year	Sem.	Course Name	Degree(s)	Coord
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;	Yes
2022/2023	1º	Operating Systems and Virtualization	Bachelor Degree in Digital Technologies and Information Security; Bachelor Degree in Software and Applications Development;	Yes
2020/2021	1º	Fundamentals of Computer Architecture	Bachelor Degree in Computer Science and Business Management (PL); Bachelor Degree in Computer Engineering (PL); Bachelor Degree in Computer Engineering; Bachelor Degree in Telecommunications and Computer Engineering (PL); Bachelor Degree in Computer Science and Business Management; Bachelor Degree in Telecommunications and Computer Engineering;	No

## Total Citations

Web of Science®	6
Scopus	11

## 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. Applied Sciences. 10 (22)</p> <p>- Times Cited Web of Science®: 4 - Times Cited Scopus: 8 - Times Cited Google Scholar: 11</p>
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### • Books and Book Chapters

#### - Book chapter

1	<p>Maria C. Pereira &amp; Dias, J. (2023). Pedagogical innovation in an operating systems and virtualisation course. In Exemplos de práticas pedagógicas e estratégias de inovação pedagógica no ISCTE. (pp. 175-188).</p>
2	<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.), Sense, Feel, Design. INTERACT 2021. Lecture Notes in Computer Science. (pp. 376-390): Springer.</p> <p>- Times Cited Web of Science®: 2 - Times Cited Scopus: 3 - Times Cited Google Scholar: 4</p>

### • Other Publications

#### - Other publications

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