



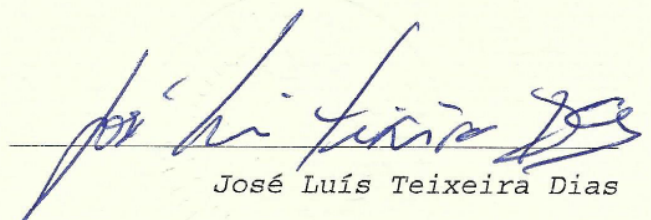
**José Luís Teixeira Dias, Responsible of GRADUATION ACADEMIC
UNIT of INSTITUTO SUPERIOR TÉCNICO, UNIVERSIDADE DE LISBOA**
CERTIFIES that,

ÉLIO CORDEIRO PEREIRA -----
with Identity Card Num. 14845806 -----
birth originally from Porto -----
and PORTUGUESE nationality -----
concluded the 1st Cycle, of the degree in INTEGRATED MASTER
DEGREE (MSC) in ENGINEERING PHYSICS, on the 11 July 2016, with
the final grade of 16 (sixteen) values having received a total of
180.0 ECTS, has the right to the degree of Graduate in
Engineering Sciences - Engineering Physics, having been issued
the registry diploma number 24278/ISTCL/16 with approval on the
following curricular units:

LINEAR ALGEBRA ----- 6.0 ECTS, with 17(seventeen) values
DIFFERENTIAL AND INTEGRAL CALCULUS I -----
----- 6.0 ECTS, with 17(seventeen) values
BASIC EXPERIMENTAL PHYSICS - 6.0 ECTS, with 14(fourteen) values
MECHANICS AND WAVES ----- 6.0 ECTS, with 15(fifteen) values
PROGRAMMING ----- 6.0 ECTS, with 15(fifteen) values
DIFFERENTIAL AND INTEGRAL CALCULUS II -----
----- 7.5 ECTS, with 16(sixteen) values
TECHNOLOGICAL LABORATORY --- 4.5 ECTS, with 14(fourteen) values
GENERAL MECHANICS ----- 6.0 ECTS, with 15(fifteen) values

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CHEMISTRY ----- 6.0 ECTS, with 17(seventeen) values
DIGITAL SYSTEMS ----- 6.0 ECTS, with 16(sixteen) values
COMPLEX ANALYSIS AND DIFFERENTIAL EQUATIONS -----
----- 7.5 ECTS, with 17(seventeen) values
COMPUTATIONAL PHYSICS ----- 6.0 ECTS, with 14(fourteen) values
OSCILATIONS AND WAVES LABORATORY -----
----- 6.0 ECTS, with 16(sixteen) values
COMPUTATIONAL MATHEMATICS -- 4.5 ECTS, with 16(sixteen) values
THERMODYNAMICS AND THE STRUCTURE OF MATTER -----
----- 6.0 ECTS, with 14(fourteen) values
ELECTROMAGNETISM AND OPTICS -----
----- 6.0 ECTS, with 17(seventeen) values
ELECTROMAGNETISM AND THERMODYNAMICS LABORATORY -----
----- 6.0 ECTS, with 16(sixteen) values
ANALYTICAL MECHANICS ----- 6.0 ECTS, with 16(sixteen) values
PROBABILISTIC AND STATISTICS -----
----- 6.0 ECTS, with 17(seventeen) values
CIRCUITS THEORY AND ELECTRONIC FUNDAMENTALS -----
----- 6.0 ECTS, with 14(fourteen) values
CLASSICAL ELECTRODYNAMICS -- 6.0 ECTS, with 18(eighteen) values
ELECTRONICS ----- 6.0 ECTS, with 17(seventeen) values
ATOMIC PHYSICS, OPTICS AND RADIATION PHYSICS LABORATORY -----
----- 6.0 ECTS, with 15(fifteen) values
QUANTUM MECHANICS I ----- 6.0 ECTS, with 16(sixteen) values
TECHNIQUES OF MATHEMATICAL PHYSICS -----
----- 6.0 ECTS, with 18(eighteen) values
SOLID STATE PHYSICS ----- 6.0 ECTS, with 16(sixteen) values
STATISTICAL PHYSICS ----- 6.0 ECTS, with 15(fifteen) values
MANAGEMENT ----- 4.5 ECTS, with 18(eighteen) values
ELECTRONIC INSTRUMENTATION - 6.0 ECTS, with 17(seventeen) values
ADVANCED EXPERIMENTAL PHYSICS LABORATORY -----
----- 6.0 ECTS, with 16(sixteen) values
INOVIATION AND DEVELOPMENT LABORATORY -----
----- 1.5 ECTS, with 18(eighteen) values



José Luís Teixeira Dias
Responsible of Graduation Academic Unit

Instituto Superior Técnico, Lisboa, on the 25 of May, 2018

Student No. 78535
Register No. 6541/2018
Conferred by: 

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