

**ALLEGATO A**

Al Direttore dell'Istituto per le Applicazioni  
del Calcolo  
Via Pietro Castellino, 111 - 80131 NAPOLI  
all'indirizzo: (PEC) protocollo.igmm@pec.cnr.it

La sottoscritta Pedro Leal \_ Ana Sofia \_\_\_\_\_  
(Cognome e Nome: *per le donne indicare il cognome da nubile*)

nato a Torres Vedras Lisboa (Portogallo) il 30/4/1980

attualmente residente a: Praceta Principal nº 2, 2560-410 Silveira - Torres Vedras (Portugal)

**Indirizzo PEC del candidato/a:** \_\_\_\_\_

**Indirizzo e.mail del candidata:** anasleal@gmail.com

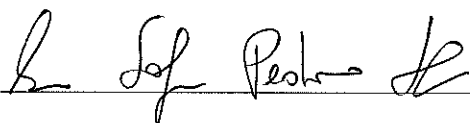
Chiede di partecipare alla selezione pubblica, per titoli, per il conferimento di un incarico sotto forma di lavoro autonomo occasionale per la seguente attività: "Selezione delle variabili e stima wavelets per modelli additivi parzialmente lineari".

A tal fine, il sottoscritto dichiara sotto la propria responsabilità:

- 1) di essere cittadina portoghese \_\_\_\_\_
- 2) di aver conseguito il diploma di laurea in\_ Restauro e Conservazione dei beni Culturali \_ il  
\_3/\_12/\_2014 presso l'Università\_\_\_\_\_ New University of Lisbon - FCT- Faculty of Science and  
Technology \_ con votazione\_17 \_\_\_\_\_ ;
- 3) di non aver riportato condanne penali e di non avere procedimenti penali pendenti a proprio carico  
(in caso contrario, indicare quali) \_\_\_\_\_

Il sottoscritto allega alla presente domanda il Curriculum vitae sotto forma di dichiarazione sostitutiva di certificazione e dell'atto di notorietà ai sensi degli art. 46 e 47 del DPR 445/2000 e s.m.i. da compilarsi mediante l'utilizzo del modulo (allegato B).

Luogo e data  
Lisboa 9/11/2018

FIRMA  \_\_\_\_\_

**DICHIARAZIONI SOSTITUTIVE DI CERTIFICAZIONI**  
(art. 46 D.P.R. n. 445/2000)  
**DICHIARAZIONI SOSTITUTIVE DELL'ATTO DI NOTORIETÀ**  
(art. 47 D.P.R. n. 445/2000)

La sottoscritta Ana Sofia Pedro Leal

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nato a Torres Vedras Lisboa (Portogallo) il 30/4/1980

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Visto il D.P.R. 28 dicembre 2000, n. 445 concernente "T.U. delle disposizioni legislative e regolamentari in materia di documentazione amministrativa" e successive modifiche ed integrazioni;

Vista la Legge 12 novembre 2011, n. 183 ed in particolare l'art. 15 concernente le nuove disposizioni in materia di certificati e dichiarazioni sostitutive;

**Consapevole che, ai sensi dell'art.76 del DPR 445/2000, le dichiarazioni mendaci, la falsità negli atti e l'uso di atti falsi sono punite ai sensi del Codice penale e delle leggi speciali vigenti in materia, dichiara sotto la propria responsabilità che quanto dichiarato nel seguente curriculum vitae et studiorum comprensivo delle informazioni sulla produzione scientifica corrisponde a verità.**

**Curriculum vitae et studiorum<sup>1</sup>**



**Personal Information**

Name	<b>Ana Sofia Pedro Leal</b>
Address	Praceta Principal nº 2, 2560-410 Silveira - Torres Vedras (Portugal)
Phone number	+351 - 913058015

<sup>1</sup>

a) **Datare e sottoscrivere tutte le pagine che compongono la dichiarazione.**

b) **Allegare alla dichiarazione la fotocopia di un documento di identità personale, in corso di validità.**

c) Le informazioni fornite con la dichiarazione sostitutiva devono essere identificate correttamente con i singoli elementi di riferimento (esempio: data, protocollo - se presente, titolo pubblicazione ecc...).

d) Il CNR, ai sensi dell'art. 71 e per gli effetti degli artt. 75 e 76 del D.P.R. 445 del 28/12/2000 e successive modifiche ed integrazioni, effettua il controllo sulla veridicità delle dichiarazioni sostitutive.

e) La normativa sulle dichiarazioni sostitutive si applica ai cittadini italiani e dell'Unione Europea.

f) I cittadini di Stati non appartenenti all'Unione, regolarmente soggiornanti in Italia, possono utilizzare le dichiarazioni sostitutive di cui agli artt. 46 e 47 del D.P.R. 445 del 28.12.2000 limitatamente agli stati, alla qualità personali e ai fatti certificabili o attestabili da parte di soggetti pubblici italiani, fatte salve le speciali disposizioni contenute nelle leggi e nei regolamenti concernenti la disciplina dell'immigrazione e la condizione dello straniero.

Al di fuori dei casi sopradetti, i cittadini di Stati non appartenenti all'Unione autorizzati a soggiornare nel territorio dello Stato possono utilizzare le dichiarazioni sostitutive nei casi in cui la produzione delle stesse avvenga in applicazione di convenzioni internazionali fra l'Italia e il Paese di provenienza del dichiarante.

Name and address of employer	CISPE-UN – <i>Centro Internazionale per lo Studio dai papiri Ercolanesi ‘Marcello Gigante’</i> Dipartimento di Studi Umanistici - <i>Università Federico II di Napoli</i> (Via Porta di Massa 1, 80133, Napoli) – Italy; IMM-CNR – <i>Istituto per la Microelettronica e Microsistemi - Consiglio Nazionale delle Ricerche – Unità di Napoli - Via P. Castellino 111, I-80131 Napoli - Italy</i>
Type of company or sector	Scientific research
Dates	Feb. 2016
Function or job	Internship - Practical Training
title	"Application of the 3D scanning technology <i>Lucida</i> to the conservation of cultural heritage objects." Assemble and operate the scanner <i>Lucida</i> , testing with different materials. Data processing, including editing and blending 3D files.
Main activities and responsibilities	In the 3D Modeling and Fabrication Department: participation in the finish phase of the top of the Teschen Table. This work has involved the fabrication of a facsimile (exact replica) of this important piece that is now in the Musée du Louvre in Paris. Director: Adam Lowe; Advisor: Carlos Bayod Lucini.
Name and address of employer	FACTUM – arte C/ Albarracin 28, 28037 Madrid, Spain
Type of company or sector	Conservation, preservation and facsimiles fabrication – digital technology – artists, technicians and conservators.
Dates	Jan. 2015 – May 2015
Function or job	Internship - Researcher
title	Knowledge and application of chemical, mineralogical and petrographic techniques for the characterization of materials of an archaeological site; Characterization of pigments, plasters, mortars and stones of San Filippo area of Hierapolis (Turkey). Task: identify the raw materials used for the preparation of plasters, pigments and others; biological pathological study of stones ;
Main activities and responsibilities	Application of different analytical techniques (X-ray Diffraction, X-ray Fluorescence, optical and electronic microscope (SEM-EDS), Fourier Transform Infrared Spectroscopy (FTIR)). Preparation of thin sections and cross-sections of plasters and mortars; Definition a conservation plan of the plasters, mortars and others in situ. Advisor: Dr. Emma Cantisani; Dr. Susanna Bracci; Dr. Silvia Vettori, Dr. Ona Cuzman.
Name and address of employer	CVBC – CNR - Istituto per la conservazione e valorizzazione dei beni culturali – Consiglio Nazionale delle Ricerche - Via Madonna del Piano 10, Edificio C – 50019 Sesto Fiorentino – Firenze - Italy
Type of company or sector	Research Laboratory
Dates	Jul. 2013 – Oct. 2014
Function or job	Internship – Researcher
title	Application of the scientific methodology for tiles conservation and restoration.
Main activities and responsibilities	LNEC – National Laboratory of Civil Engineering – Av. Brasil 101 - 1700-066 Lisboa – Portugal.
Name and address of	Research Laboratory
Dates	Sept. 2013 – Dec. 2014
Function or job	Researcher

employer			
setor	Type of company or		
		<b>Courses</b>	
Dates		12 <sup>th</sup> – 22 <sup>th</sup> Apr. 2016	
		Training Session	
	Title of qualification	"Tentative segmentation of charred Herculaneum papyrus rolls reconstructed via computed microtomography" – application of VGStudio Max and Avizo software to visualize and render the segmented volumes reconstructed from CT data reproducing badly damaged ancient documents.	
	Principal subjects / skills professional	Dr. Claudio Ferrero – ESRF; Dr. Emmanuel Brun – ESRF; Dr. Vincent Fernandez – ESRF;	
		ESRF – The European Synchrotron, Grenoble, France	
Name and type of organization providing		13 <sup>th</sup> – 17 <sup>th</sup> Feb. 2016	
	education and training	Practical Experiment	
Dates		"X-Ray Phase Contrast Imaging Computed Tomography for Recovering Lost Ancient Literature" – Synchrotron-based tomography practical in the frame of a cultural heritage project – Dr. Claudio Ferrero – ESRF; Dr. Emmanuel Brun - ESRF; Dr. Daniel Delattre (CNRS-Paris-France); Dr. Vito Mocella (CNR- Naples-Italy);	
	Title of qualification	ESRF – The European Synchrotron, Grenoble, France; Library of Naples, Italy	
	Principal subjects / skills professional		
		10 <sup>th</sup> -14 <sup>th</sup> Oct. 2015	
		Practical Experiment	
Name and type of organization providing		"X-Ray Phase Contrast Imaging Computed Tomography for Studying Museum Exhibits" – Synchrotron-based tomography practical in the frame of a cultural heritage project – Dr. Claudio Ferrero – ESRF; Dr. Emmanuel Brun - ESRF; Dr. Daniel Antoine – The British Museum;	
	education and training	ESRF – The European Synchrotron Radiation Facility, Grenoble, France British Museum – The Department of Ancient Egypt and Sudan, London, United Kingdom	
	Dates	Sept. 2015	
	Title of qualification	Summer School	
	Principal subjects / skills professional	"Neutron Scattering applied to Polymer Systems" Director: Dr. Roberta Bongiovanni (Polytechnic of Turin); Dr. Emiliano Fratini (University of Florence & CSGI); Dr. Marco Maccarini (TIMC-IMAG – Grenoble)	
Name and type of organization providing		Società Italiana di Spettroscopia di Neutroni (SISN) Associazione Italiana di Scienza e Tecnologia delle Macromolecole (AIM) Institut Laue-Langevin (ILL) – Grenoble – France	
	education and training		
	Dates		

qualification	Dates	Jan. 2015
Principal subjects / skills professional	Title of qualification	Language Course
Name and type of organization providing training	education and	Italian Language
		Accademia Europea di Firenze Viale S. Lavagnini, 4 – I -50129 Firenze (Italy)
	Dates	Mar. 2012 – Jun. 2012
Principal subjects / skills professional	Title of qualification	Language Course – A1
Name and type of organization providing training	education and	German Language
		Goethe Institute - Portugal Campo dos Mártires da Pátria, 37, 1169-016 Lisboa (Portugal)
	Dates	Sept. 2010 – Oct. 2010
Principal subjects / skills professional	Title of qualification	Education – Free Course
Name and type of organization providing training	education and	"The Triangle Macanese Diaspora: Macau, Hong Kong, Shanghai – XIX-XX centuries"
		Scientific and Cultural Centre of Macau. IP, Ministry of Science, Technology and Higher Education Rua da Junqueira nº 30, 1300-343 Lisboa (Portugal)
	Dates	Jun. 2010
Principal subjects / skills professional	Title of qualification	Education – Summer Course
Name and type of organization providing training	education and	"The Religious Chinese Thought"
		Scientific and Cultural Centre of Macau. IP, Ministry of Science, Technology and Higher Education Rua da Junqueira nº 30, 1300-343 Lisboa (Portugal)
	Dates	Oct. 2009 – Jan. 2010
Principal subjects / skills professional	Title of qualification	Education – Language Course
Name and type of organization providing training	education and	Spanish Language
		Spanish Language Institute Largo de D <sup>a</sup> Estefânia, 8 - 1 <sup>o</sup> Esq., 1000-126 Lisboa (Portugal)
	Date	12 <sup>th</sup> – 13 <sup>th</sup> Oct. 2009
Principal subjects / skills professional	Title of qualification	Education – Free Course
		"Integrated Pest Control in Libraries, Archives, Museums and Monuments." David Pinniger and Jane Thompson Webb (Birmingham Museums, UK)

<p>Title of qualification</p> <p>Principal subjects / skills professional</p> <p>Name and type of organization providing education and training</p>	<p>Education – Free Course</p> <p>Course of Linear Algebra and Analytic Geometry, Calculus I, Structured Programming Data and Algorithms</p> <p>Centre Alexandre Sarmiento Urbanização Chave, 19 A 1º Dto Frente - Santiago, 3810-810 Aveiro (Portugal)</p>
<p><b>Publications and conference presentations</b></p>	<ul style="list-style-type: none"> <li>- Published article: Romano, S., Leal, A. S., Brun, E., Delattre, D., Mocella, V., (2018), "The secrets of Herculaneum papyri revealed by synchrotron based techniques: writing and ink composition", IEEE International conference on Metrology for Archaeology and Cultural Heritage, Cassino, Italy, October;</li> <li>- Published article: Leal, Ana S., Romano, S., Mocella, V., (2018), "Ink study of Herculaneum Papyri", manuscript Cultures, Vol N°11: 18-20, Hamburg-Centre for the Study of Manuscript Cultures, ISSN 1867-9617;</li> <li>- Published article: Leal, Ana S., Coentro, S., Alves, L. C., Pereira, S., Relvas, C., Ferreira, T., Mirão, J., Fernandes, L., Muralha, V. S., (2018), "Chemical, physical and mineralogical characterisation of the Hispano-Moresque tile collection from Lisbon Roman Theatre Museum"; <i>Conservar Patrimônio – ARP-Associação Profissional de Conservadores-Restauradores de Portugal</i>, 29, September, ISSN 2182-9942;</li> <li>- Published article: Cuzman, O. A., Leal, A. S., Schaffar, S., Vettori, S., Cantisani, E., (2016), "Notes on the stone biodiversity of Hierapolis monuments", Ancient quarries and building sites in Asia Minor - Research on Hierapolis in Phrygia and other cities in south-western Anatolia: archaeology, archaeometry, conservation, 45 : 609-618, EDIPUGLIA, Bari, 2016, ISBN 978-88-7228-819-1, ISSN 1724-8523;</li> <li>- Published article: Cantisani, E., Vettori, S., Bracci, S., Caggia, M. P., Neri, E., Leal, A. S. P. (2016), "Fragments of painted plaster from the church of the St Philip in Hierapolis: A Preliminary archaeological and archaeometric study", Ancient quarries and building sites in Asia Minor - Research on Hierapolis in Phrygia and other cities in south-western Anatolia: archaeology, archaeometry, conservation, 45 : 523-538, EDIPUGLIA, Bari, 2016, ISBN 978-88-7228-819-1, ISSN 1724-8523;</li> <li>- Published article: Costa, D., Leal, A.S., Mimoso, J. M., Pereira, S. R. M., (2017), "Consolidation treatments applied to ceramic tiles: are they homogeneous?", <i>Materiales de Construcción</i>, Vol. 67, January-March, Issue 325, ISSN-L:0465-2746;</li> <li>- Published article: Leal, A.S., Dionísio, A., Braga, M.A.S., Mateus, O., (2016), "The long term preservation of late Jurassic sandstones Dinosaur footprints in a museum environment", <i>International Journal of Conservation Science (IJCS)</i>, Volume 7, July-September, Issue 3, ISSN:2067-533X, 627-646;</li> <li>- Published article: Costa, M. R. D., Leal, A. S., Mimoso, J. M., Pereira, S. R. M., (2015), "Micro-drilling studies in azulejo consolidation", <i>Congress GlazeArch2015 - International Conference Glazed Ceramics in Architectural Heritage</i>, Laboratório Nacional de Engenharia Civil, Lisboa – Portugal, July;</li> <li>- Published article: Pereira, S. R. M., Musacchi, J., Mendes, M. T., Leal, A. S., Esteves, M. L., Silva A. S., Mimoso, J. M., (2015), "18<sup>th</sup> century Portuguese tiles: characterization and reproduction study of Ca-rich biscuits", <i>GlazeArch 2015 – International Conference-Glazed Ceramics in Architectural Heritage</i>, Laboratório Nacional de Engenharia Civil, Lisboa – Portugal, July;</li> <li>- Published Master Thesis: Leal, A. S. (2014), "Estudo da Tecnologia de Produção dos Azulejos Hispano-Mouriscos – Coleção de Azulejos Hispano-Mouriscos do Museu do Teatro Romano de Lisboa", FCT-UNL – Faculty of Science and Technology - New University of Lisbon;</li> <li>- Presentation of the poster (Abstract): Leal, A. S., Mateus, O., Tomás, C., Dionísio, A., (2014), "Decay and Conservation Trial of the Late Jurassic Sandstone with Dinosaur Tracks in a Museum</li> </ul>

Other Languages

Evaluation  
European Level (\*)

**English**

**Spanish**

**German**

**French**

**Italian**

Understanding				Conversation				Writing	
Oral understanding		Reading		Oral Interaction		Oral Production			
C2	Advanced Users	C2	Advanced Users	B1	Independent Users	B1	Independent Users	B2	Independent Users
C1	Advanced Users	C1	Advanced Users	B2	Independent Users	B2	Independent Users	B1	Independent Users
A1	Basic User	A1	Basic Users	A1	Basic Users	A1	Basic Users	A1	Basic Users
A2	Basic Users	B1	Independent Users	A2	Basic Users	A2	Basic Users	A2	Basic Users
C2	Advanced Users	C2	Advanced Users	B2	Independent Users	B2	Independent Users	B2	Independent Users

(\*) [Nível do Quadro Europeu Comum de Referência \(CECR\)](#)

Social ability and competences

Volunteering:

- GEAL- Museum of Lourinhã - Lisbon - Portugal; Performance functions of Conservation and Restoration.
- Food Bank - Lisboa;
- University Center Faith and Culture - F.A.S. II - More Life Movement - Diocesan Volunteer - Aveiro;
- World Mission Group (G.M.M) - Rua Carlos Mardel, 25 - 1900-117 Lisboa;

Personal ability

Team spirit, both, in academic and professional life. Good adaptation to multicultural environments.

Other ability and competences

Practicing Sport: Swimming - Team Swimming / Water Polo FCT - 2009-2010.

Playful Sport: Cycling, Swimming, Running, Squash

Personal Tastes: Traveling and meeting new cultures, reading (Romance, Science and Science Fiction), Photography, Cinema.

Personal Interests: History, Art, Politics, Economy, Science.

Driving License

B

Lisboa 9/11/2018





