

RPA: UK
U: H12
N: 2/17

Description of requested contract and related expenses	
Applicant:	PAGGI MARCO
Role:	ASSOCIATE PROFESSOR
FORMAL PROFILE DESCRIPTION	
Functional Category	<input type="checkbox"/> Assistant professor <input type="checkbox"/> Post Doctoral Fellow <input type="checkbox"/> Research Collaborator <input type="checkbox"/> Research fellowship Holder <input checked="" type="checkbox"/> Visiting Professor <input type="checkbox"/> Staff Assistant <input type="checkbox"/> Fixed term Staff <input type="checkbox"/> Permanent Staff <input type="checkbox"/> Expert
Titolo /Title (compulsory in English and in Italian)⁽¹⁾:	Visiting professor in Structural Mechanics with expertise in modelling of composite shells Professore in visita di Scienza delle Costruzioni con esperienza nella modellazione di gusci compositi e meccanica della frattura
Campi/Keywords (compulsory in English and in Italian)⁽²⁾:	Structural engineering Mechanics Computational methods
Area Scientifica/SSD⁽³⁾:	Scienza delle Costruzioni / ICAR08
Profilo/Profile (compulsory in English and in Italian)⁽⁴⁾:	Researcher in computational mechanics, with expertise in numerical methods for shells, composite structures, geometric and material nonlinearities, computational fracture mechanics, modelling of microstructured interfaces. Ricercatore in meccanica computazionale con esperienza in modelli numerici per gusci, strutture composite e non linearità meccaniche e geometriche, meccanica computazionale della frattura, modellazione di interfacce microstrutturate.
Number of positions	1
SELECT A or B	
A) Research Area (only one): <input type="checkbox"/> CSA <input type="checkbox"/> EIC Research Unit (only one): <input type="checkbox"/> AXES <input type="checkbox"/> DYSCO <input type="checkbox"/> ICES <input type="checkbox"/> LIME <input type="checkbox"/> LYNX <input type="checkbox"/> PRIAN <input type="checkbox"/> SYSMA <input type="checkbox"/> NETWORK <input type="checkbox"/> POLHIST <input checked="" type="checkbox"/> MUSAM	
B) Office (only one): <input type="checkbox"/> IT <input type="checkbox"/> ADMIN <input type="checkbox"/> RPO <input type="checkbox"/> Commev <input type="checkbox"/> Assdir	
Activity⁽⁵⁾:	Computational research in the framework of the activities of the ERC Starting Grant CA2PVM - Multi-field and multi-scale Computational Approach to design and durability of Photovoltaic Modules, with special regard to modelling of decohesion and fracture in laminated composites for photovoltaics. Ricerca computazionale nell'ambito delle attività del progetto ERC Starting Grant CA2PVM - Multi-field and multi-scale Computational Approach to design and durability of Photovoltaic Modules, con particolare riguardo alla modellazione dei fenomeni di decoesione e frattura in compositi laminati per il fotovoltaico.
Formal requirements⁽⁶⁾	A PhD in a subject related to the fields mentioned. Candidates must have an excellent record of high-impact international publications and international collaborations. Candidates should demonstrate experience in performing computational research in the field of composite shells in the presence of geometric and mechanical nonlinearities. Dottorato di ricerca relativo ai campi indicati. I candidati devono avere un eccellente record di pubblicazioni internazionali ad elevato impatto e collaborazioni internazionali. I candidati devono dimostrare esperienza nel condurre ricerca computazionale nel campo dei gusci compositi in presenza di non linearità geometriche e meccaniche.
Qualification:	(specify if necessary) Mechanical Engineering or related areas
<input checked="" type="checkbox"/> PhD	<input checked="" type="checkbox"/> compulsory before the date of appointment <input type="checkbox"/> compulsory for the admission <input type="checkbox"/> preferable (not for AP)
<input checked="" type="checkbox"/> Degree	(specify if necessary) Master in Mechanical Engineering or related areas
<input type="checkbox"/> High School Diploma	(specify if necessary) _____

RPA: _____
U: _____
N: _____

Specific requirements ⁽⁷⁾

Researcher in computational mechanics, with expertise in composite shell structures subjected to mechanical and geometrical nonlinearities, fracture mechanics. Ability in implementing user element subroutines in finite element programmes.

Ricercatore in meccanica computazionale con esperienza in strutture composite a guscio soggette a non linearità meccaniche e geometriche, meccanica della frattura. Abilità nell'implementazione di subroutine per nuovi elementi finiti in codici FEM.

CONTRACT

Contract type:

<input type="checkbox"/> Assegno di ricerca	Assistant professor, Post Doctoral Fellow, Research collaborator
<input type="checkbox"/> RTD	Assistant Professor
<input checked="" type="checkbox"/> contratto di prestazione autonoma	Assistant professor, Post Doctoral Fellow, Research collaborator, Staff Assistant, Visting professor
<input type="checkbox"/> Borsa a progetto	Research fellowship Holder
<input type="checkbox"/> Tempo determinato	Fixed Term Staff
<input type="checkbox"/> Tempo indeterminato	Permanent staff

Contract starting date (approx) 15/06/2017 **Contract Duration⁽⁷⁾:** up to 30/10/2017 Extendable ☐ Yes (years ____)
☒ No *4 mesi e mezzo*

Gross Amount (approx or range) (8) 7000 Euro (costo ente complessivo) ☐ Research Unit Fund ⁽⁹⁾

☒ **Travel Expenses (10):** Travel costs to IMT Lucca and return covered on the ERC StG project funding. *5600€ / 10000*

FUND (select one choice)

☒ project , specify ERC StG CA2PVM

☐ IMT budget

The expense is related to the following organizational unit (if more than one indicate %)

Research Unit:

☐ AXES ☐ DYSCO ☐ ICES ☐ LIME ☐ LYNX ☐ PRIAN ☐ SYSMA ☐ NETWORKS ☐ POLHIST

Tracks: ☐ CDSS ☐ ECON ☐ MDCH ☐ POLHIST

Administration: ☐ general

Selection Committee (please suggest):

President: Prof. Marco Paggi

1st member: Prof. Alberto Bemporad

2nd member: Dr. Andrea Bacigalupo

Additional member (optional):

Substitute member (optional):

Specific recommendations for dissemination:

Web sites (11):

Mailing lists (11):

Specific E-mail addresses (12):

Fund Owner Signature:

Date of release: 21/02/2017

Marco Paggi

Date of release: 21/02/2017

Applicant signature:

Marco Paggi

RPA: _____
U: _____
N: _____

Financial commitment(s) for the
Research Unit Fund n. _____

Account for the Research Unit Fund n. _____

RPA : 21

Date of receipt: 6/3/17

Date of release: 1/1

Preliminary check and payment approval

Check:

☐ Yes

☐ No³ (specify) _____

☐ Partially³ (specify) _____

Signature: _____

Date: 7/3/17

Approval:

☐ Yes

☐ No³ (specify) _____

☐ Partially³ (specify) _____

Signature: _____

Date: 10/3/17

Activities

RPA:

Date of receipt: ____/____/____

☐ Starting procedure

Date: ____/____/____

☐ Sent to Commv for dissemination

Date: ____/____/____

☐ Other (specify) _____

- (1) (Compulsory In English and Italian). Eg: *Assistant Professor in Art History*
- (2) (Compulsory In English and Italian). Eg: *Networks, Brain imaging, History*
- (3) <http://attiministeriali.miur.it/anno-2011/luglio/dm-29072011.aspx>, compulsory for Assistant Professor, Post Doctoral Fellow and Research Collaborator
- (4) This is a detailed description useful for dissemination and IMT web site. Eg: *IMT is seeking for a Visiting professor to carry out research activity in the field of Cultural Heritage, Art History, Modes of Vision, History of Collecting, Psychology of Vision.*
- (5) Eg: *Research, tutorship and mentoring of the Institute's Ph.D. students, teaching and participation in the development of the Institute's research activities*
- (6) Eg: *Laurea specialistica o magistrale nei campi del XXXXX*
Phd in XXXXXXXX
- (7) Eg: *Candidates must have an excellent record of high-impact international publications. Candidates should demonstrate enthusiasm for performing applied research in an interdisciplinary research institute.*
- (8)

	Durata	Importo
AP - Assegno di ricerca	Max 3 anni rinnovabile fino max 4	30-50K /anno
AP – rtd	a) 3 + 2 b) 3	Rif 240/2010
AP – lavoro autonomo	Max 36 mesi	Max 80 K
PDF – assegno di ricerca	Max 3 anni rinnovabile fino max 4	20-35K
PDF – lavoro autonomo	Max 36 mesi	Max 60K
Research collaborator - assegno	Max 3 anni rinnovabile fino max 4	19 – 25K
Research collaborator – lavoro autonomo	Max 36 mesi	n.d
Visiting Professor	Max 36 mesi	Max 120K (stima 170€/giorno di presenza)
Research fellowship holder	Fino al conseguimento della borsa	Importo ministeriale Borse
Staff assistant	Max 36 mesi	n.d
T.det / t.indet	t.det: max 3 anni	CCNL

- (9) Only for Assistant professor, Post Doctoral fellow, only if on general budget
- (10) Only for Visiting Professor or Research collaborator
- (11) We upload the call on international websites. You can suggest specific websites
- (12) Please suggest email addresses, area/university/faculty/department for specific dissemination

RPA: _____
U: _____
N: _____

Compliance verification																					
RPA	RPA: _____ Date of receipt: <u>23/2/17</u>																				
	<table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th style="width: 60%;">Phase</th> <th style="width: 40%;">Timing</th> </tr> </thead> <tbody> <tr> <td>Profile definition</td> <td>22.2.17</td> </tr> <tr> <td>Send to GU</td> <td>—</td> </tr> <tr> <td>Release on IMT web site</td> <td>6.3.17</td> </tr> <tr> <td>Deadline for the submission</td> <td>21.3.17</td> </tr> <tr> <td>Evaluation Criteria and preliminary short list</td> <td></td> </tr> <tr> <td>1 test</td> <td></td> </tr> <tr> <td>2 test</td> <td></td> </tr> <tr> <td>Final Ranking</td> <td></td> </tr> <tr> <td>TOTAL</td> <td>15.4.17</td> </tr> </tbody> </table>	Phase	Timing	Profile definition	22.2.17	Send to GU	—	Release on IMT web site	6.3.17	Deadline for the submission	21.3.17	Evaluation Criteria and preliminary short list		1 test		2 test		Final Ranking		TOTAL	15.4.17
	Phase	Timing																			
	Profile definition	22.2.17																			
	Send to GU	—																			
	Release on IMT web site	6.3.17																			
	Deadline for the submission	21.3.17																			
	Evaluation Criteria and preliminary short list																				
	1 test																				
	2 test																				
Final Ranking																					
TOTAL	15.4.17																				
Timing: _____																					
RPA: <u>MR</u> Date of release: <u>27/2/17</u>																					
RU: <u>1b</u> Date of receipt: <u>27/2/17</u> Date of release: <u>27/2/17</u>																					

Fund check and approval <small>(for contract only, if relevant)</small>	
Office in charge of the fund	RPA: _____ Date of receipt: <u>3/3/2017</u>
	FUND Name <u>CA2 PVM</u>
	<input type="checkbox"/> New estimated <input type="checkbox"/> New non estimated <input checked="" type="checkbox"/> Existent
	<small>(Document certifying an extra amount already included in the budget but still to be formalized)</small> <small>(Document certifying an extra amount to be included in the budget)</small>
	Codice del fondo a bilancio: <u>P0045</u>
	CUP: <input checked="" type="checkbox"/> Yes <u>E11J12001450005</u> <input type="checkbox"/> NO
	Fund budget check: <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No ¹ <input type="checkbox"/> Partially ¹
	Additional comments: <u>IRAP DA SCORPORARE in favore di BONAICONTA 2015</u>
	RPA: _____ Date of release: <u> / / </u>
	RU: <u>[Signature]</u> Date of receipt: <u>6/3/2017</u> Date of release: <u> / / </u>

General budget check	
Admin	RPA: <u>21</u> Date of receipt: <u>6/3/17</u> Date of release: <u> / / </u>
	Budget check: <input checked="" type="checkbox"/> Yes <input type="checkbox"/> Partially ² <input type="checkbox"/> No ²
	Financial commitment(s) for the contract n. <u>ANT. 2017/1236</u>
	Account for the contract n. <u>CA.0445.10.11</u>

¹ Back to RPA date of receipt / / -> back to the Applicant date of release / /
² Back to RPA date of receipt / / -> back to the Applicant date of release / /

RPA: _____
U: _____
N: _____

(13) The table below suggest minimum timing compulsory for administrative instance

	Timing
Assistant professor	80 days
Post doctoral fellow	70 days
Research collaborator - assegno	30 days
Visiting Professor	30 days
Research fellowship holder	30 days
Staff assistant	30 days
T.det / t,indet	80 days

