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Venezia, September 27<sup>th</sup> 2018  
Prot. n. 52916 - III/13 rep. 720

**Research fellowship on *Models and methods for ship scheduling problems* - Università Ca' Foscari Venezia (Italian law 30 December 2010, n.240, art. 22)**

**The present document in English is to be considered as a mere summary of the main provisions of the notice of competition which is available in Italian at the following ([link](#)) The text in Italian is the official text of the notice of competition for all legal intents and purposes and, in the event of non-conformity with the present document, it shall prevail.**

#### **Description**

The Department of Management at Università Ca' Foscari Venezia invites applications for a fellowship in: ***Models and methods for ship scheduling problems*** – PRIN 2015 – *Smart PORT Terminals - SPORT*” (grant number: 2015XAPRKF) CUP H72F15000440003 under the supervision of Raffaele Pesenti, Chair of MAT/09 – Operations Research

#### **Abstract:**

The rapid evolution in sea world trade poses new and harder challenges to port authorities and operators. In particular:

- the trend towards using larger vessels makes critical the available resource levels (time, space, manpower, equipment) and asks for a smarter organization of them
- the globalization of the industrial production systems suffers from regulations that need to be constantly updated, e.g., due to security issues
- the development of Information and Communication Technologies, providing tools of larger capacity at decreasing cost, is worth being exploited in a smart way to find effective solutions.

The objective of this project is to devise innovative and smart methodologies to design and assess ship schedules able to provide a concrete support to the port operators for the management of the operations.

The research may be carried out in English.

The fellowship is intended to provide the successful candidate with the opportunity to pursue his/her own research while benefiting from the range of expertise at Università Ca' Foscari Venezia.

#### **Who can apply**

Prospective candidates are expected to hold master's degree in Mathematics, Computer Science, Physics or Engineering, or related disciplines and relevant experience on the research topic and scientific-professional curriculum suitable to the development of research activities related to the fellowship

Ca' Foscari encourages applications from researchers with positive evaluation in all the criteria in individual proposals such as Marie Skłodowska Curie Actions - Individual Fellowships/ERC Starting Grants/FIRB (Italian Fund for basic research investments)/SIR (Scientific Young Independence Research) or similar.

Researchers having successfully completed Marie Skłodowska Curie Actions - Individual Fellowships/ERC Starting Grants/FIRB (Italian Fund for basic research investments)/SIR (Scientific Young Independence Research) or similar funded projects are warmly encouraged to apply.

**Duration of contract:** 12 months (approximately starting: November 2018).

**Stipend:** The research fellowship amounts to 19,367 Euros per year, including taxes and social charges.

**Deadline for submission of applications: October 17<sup>th</sup> 2018, 12 noon (Italian time).**

#### **How to apply:**

Candidates should submit:

1. The application form;
2. A motivation letter (max 1 page) along with their CV in European format, duly dated and signed, both to enclosed as a one single.pdf file. ([link](#))

3. A copy of a valid identity document (either Identity Card or Passport);
  4. (If available) Evaluation Summary Reports of Marie Skłodowska Curie Actions - Individual Fellowships/ ERC Starting Grants/FIRB (Italian Fund for basic research investments)/SIR (Scientific Young Independence Research) individual proposals having passed all the evaluation thresholds;
  5. (If available) Details of Marie Skłodowska Curie Actions - Individual Fellowships, ERC Starting Grants, FIRB (Italian Fund for basic research investments)/ SIR Scientific Young Independence Research funded projects;
  6. All documents, qualifications and publications relevant for the selection procedure (please, see the notice [link](#)).
- All the schemes of the quoted documentation are available on the website ([link](#)).

### How to submit your application

Applications should be submitted by the online procedure, available on the notice webpage ([link](#))

<https://static.unive.it/domandeconcorso-en/accesso/dma-pesenti>

The candidate, after the uploading, will receive a submission number and an e-mail acknowledging receipt of his/her application.

The candidate if necessary could access the procedures for updating any data and materials by the link provided by the e-mail, in any case any updates must be made no later than the deadline **October 17<sup>th</sup> 2018 12 noon (Italian time)**.

Please note that the University can be contacted for any support needs by the candidate until 24 hours prior to the deadline.

Please note that in case of an high number of applications and / or weight of the materials loaded by the candidates the system might become slower, Therefore it is suggested not to start the process close to the deadline.

**NB:** the University does not take on responsibility for wrong or late communication of addresses, nor for any communication problem not depending on the University.

### Evaluation

The total mark of each candidate will be awarded based on 100 total points. The evaluation takes into account the criteria and thresholds described in the table below.

Evaluation criteria	Scores
Qualifications (including publications and tests)	Maximum 60 points;
Interview and other tests (if foreseen)	Maximum 40 points
TOTAL AVAILABLE SCORES	100
MINIMUM THRESHOLDS	
<i>Minimum threshold for the admission to the interview</i>	42/60
<i>Minimum threshold for passing the interview and other tests (if foreseen)</i>	28/40

### Selection procedure

The interview will be on **October 31<sup>th</sup> 2018, 3 p.m. (Italian time)** in the **Università Ca' Foscari Venezia – Dipartimento di Management, San Giobbe – Cannaregio, 873 Aula Volpato – second floor**.

The short-list of the candidates admitted to the interview, or any postponement, will be published on the University's webpage on **October 26<sup>th</sup> 2018** ([link](#)).

Candidates living farther than 200 Kms from Venice may ask to hold a telematic interview.

### Information and contacts

Candidates may find further details about the application process and the research project in the official call published on the following ([link](#))

Preliminary inquiries about the research program should be addressed to Raffaele Pesenti <[pesenti@unive.it](mailto:pesenti@unive.it)>.

Additional information about the application procedure may be obtained from Lisa Cagnin <[segreteria.management@unive.it](mailto:segreteria.management@unive.it)>