Research fellowship on: “study and development of distributed solutions to support users with communication disabilities to be developed in the Coll@bora project - Protected Collaborative Support for Parents and Operators of Disabled” - 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 Environmental Sciences, Informatics and Statistics at Università Ca’ Foscari Venezia invites applications for a post-doc fellowship in:

TITLE: study and development of distributed solutions to support users with communication disabilities to be developed in the Coll@bora project - Protected Collaborative Support for Parents and Operators of Disabled

SSD: INF/01

Tutor: Salvatore Orlando

Duration: 12 mesi

Abstract: The research activities will be related to the study and development of distributed solutions to support users with communication disabilities to be developed in the Coll@bora project:

- Definition and development of the Coll@bora Web, collaborative platform and best practice network for protected content sharing;
- Definition and development of the Coll@bora Mobile tool. Tool to manage mini-applications that will be used by disabled people to help them to communicate through various solutions like the Aumentative Alternative Communication (AAC), simple action games and dialogues, etc. The solution will allow the operators to develop icons, images and personalized sequences for disabled and for the specific context, etc.
- Definition and development of the Coll@bora Mobile Team, a tool to manage, support, provide access upload of contents compatible with different mobile systems (iOS, Android, etc.)

Coll@bora aims to develop a solution to solve the problems of management and protection of information that is needed to build effective and protected collaboration in the team following the disabled. Coll@bora is based on technical ICT collaborative work, protection for the privacy of sensitive information, mobile computing and artificial intelligence. The project's goals are (i) the study and development of a platform for collaboration and management of teams (made up of parents, family members, physicians, physician assistants, volunteers, etc.) To support disabled people in privacy; (ii) the study and development of web applications, SmartTV and mobile to support assistance and service activities; (iii) the validation of the solution compared to real cases. The NPO Association Modi di Dire, in agreement with the ASL, is an example of the real need of the social innovation described in this project, it will be validated with them. Therefore, the project Coll@bora aims to develop: Coll@bora WEB: a platform for collaboration and good practice.

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

1. Prospective candidates are expected to hold a master's degree in Computer Engineering, physics or mathematics, information science, statistics electronic or equivalent or related disciplines.

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 by 30/07/2018 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: **October 2018**

**Stipend:** The research fellowship amounts to **34,354.44** Euros per year, including taxes and social charges.

**Deadline for submission of applications:** 29/09/2018, 12.00 noon.

**How to apply:**
Candidates should submit:
1. The application form;
2. A CV in European format, duly dated and signed;
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)

Or submit here: https://static.unive.it/domandeconcorso-en/accesso/daiscollaborasinorlando2018

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 **29/09/2018 -- 12.00 local 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**
Up to 100 points, specifically:
For qualifications, publications and possible tests, from 0 to 60;
For interview, from 0 to 40.

**Selection procedure**
The interview will be held in any case on **01/10/2018, h.11,30 (Central European Summer Time)** at the Department of Environmental Sciences, Informatics and Statistics, Ca' Foscari University of Venice,
Scientific Center, Zeta Building - 1 floor - Prof. Salvatore Orlando office, Via Torino, 155 – 30172 Mestre (Venice).
The short-list of the candidates admitted to the interview will be available on **01/10/2018 at the office Prof. Salvatore Orlando before the interview**. Any postponement, will be published on the University’s webpage ([link](#)).

Candidates will be required to demonstrate the following skills, knowledge and expertise:

<table>
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<tr>
<th>The interview:</th>
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<tbody>
<tr>
<td>- Development of Web and HTML5 applications</td>
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<td>- Development of Mobile Apps</td>
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<td>- Good knowledge of English;</td>
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<td>- Good knowledge of Italian (in case of foreign candidates).</td>
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Candidates living farther than 200 Kms from Venice may ask to hold a telematic interview.

Expected results:
Quarterly reports of the activities, final presentation seminar. Project deliverables: requirements analysis and definition of specifications. Development of the Coll@bora software solutions. Final report with the description of the detailed activities.

**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](#))
For further information please contact Prof. Salvatore Orlando - email: orlando@unive.it

Rep. 793/2018
Prot. 50367/III-13
Venice, 14/09/2018

Il Direttore del Dipartimento di
Scienze Ambientali, Informatica e Statistica
Prof. Antonio Marcomini