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CALL FOR ITMATI STAFF RECRUITMENT

JOB OFFER FOR SPECIFIC PROJECT OR SERVICE

PROJECT: Predictive Cognitive Maintenance Decision Support System (PreCoM).

JOB OFFER REFERENCE: ITMATI-OT-17/2017.

CALL: Recruitment within the framework of the project [PreCoM](#) awarded in the call H2020-FOF-2017 of the topic *FOF-09-2017 - Novel design and predictive maintenance technologies for increased operating life of production systems*, which is funded under the European Community HORIZON 2020 Framework Programme.

The PreCoM project has received funding from the European Union's Horizon 2020 research and innovation programme under grant agreement No 768575.

DESCRIPTION OF JOB POSITION: 1 full-time contract as researcher for the PreCoM project, funded under the call H2020-FOF-2017. Technological Institute for Industrial Mathematics (ITMATI) is part of the consortium that will execute the project.

PRINCIPAL INVESTIGATORS: Dr Jacobo de Uña Álvarez, Professor of Statistics and Operations Research of the Universidade de Vigo and affiliated researcher of ITMATI, and Dr Wenceslao González Manteiga, Professor of Statistics and Operations Research of the Universidade de Santiago de Compostela and affiliated researcher of ITMATI.

CANDIDATES PROFILE: Graduates, engineers, masters and doctors in mathematics, statistics, computing or other related fields, with advanced knowledge in statistical methodology and statistical computing, data mining, Big Data, and machine learning.

MERITS AND REQUIREMENTS TO BE ASSESSED:

■ **Training and general experience to be assessed (40 points, all contributions must be documented).**

- Academic transcript of degree, engineering, master and/or doctorate. Affinity of the candidates' degrees with statistics field will be valued.
- Scientific papers published in journals belonging to statistical field.
- Previous experience in analysis and programming of statistical and/or mathematical algorithms.
- Advanced knowledge and previous experience in the use of programming languages, especially in R.

Instituto Tecnológico
de Matemática Industrial

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Salida:

31/10/2017

Nº Registro:

232



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- Advanced English proficiency.

■ Knowledge, and additional and specific experience to be assessed (35 points, all contributions must be documented).

- Knowledge and previous experience in statistical computing, data mining, Big Data and machine learning.
- Knowledge and previous experience in methodology and applications for systems reliability analysis.

■ Personal interview (25 points).

Candidates achieving the best assessments according to the above criteria will be called to a personal interview. At least the three most highly valued candidates will be interviewed.

CONDITIONS: A contract will be carried out for the specific project or service.

- Gross monthly salary: 1.750,00 € - 2.200 € in 12 payments, depending on the merits and experience of the candidate.
- Planned start date: November 2017, subject to the granting of funds to carry out the project.
- Planned end date: February 29th 2020, whenever the project availability allows. The contract could be extended until October 31st 2020 maximum, if the project requires this.
- Full time position.

WORKS TO BE CARRIED OUT:

- Statistical analysis of data related to the project topic (systems reliability).
- Development and selection of the best predictive statistical models for the project objectives.
- Implementation of the selected models and forecasting for system maintenance and improvement in the infrastructure to be developed under the project.

WORKPLACE: Technological Institute for Industrial Mathematics (ITMATI), Campus Vida of the Universidade de Santiago de Compostela, Santiago de Compostela (Spain).

SUBMISSION OF APPLICATIONS:

People interested in this contract must send their applications by November 2nd, 2017 at 14:00h Madrid local time. Application should include a cover letter summarizing the applicant's career (general training and experience to be assessed, as well as additional merits referred to in the call), a curriculum (with mobile phone and email), and the academic title and transcript of degree,

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engineering, master and/or doctorate. If it deems it appropriate, candidates can also attach letters of recommendation to their application.

All documentation must be sent to the following email address itmati@itmati.com, indicating the job offer reference ITMATI-OT-17/2017 in the "subject" of the email. The receipt of requests will be confirmed by email.

EVALUATION COMMITTEE: Submitted applications will be evaluated by an Evaluation Committee appointed for the purpose of this call. The Evaluation Committee will be published at the end of the evaluation period jointly with the call resolution.

DEADLINES AND RESOLUTION:

Reception of applications: until November 2nd, 2017 at 14:00h Madrid local time.

Evaluation of applications and personal interviews: from 3rd to 10th November 2017.

Resolution of the call: November 2017.

WAITING LIST:

After the resolution of this call, candidates who have not been selected but meet the requirements laid down therein will automatically become part of a "waiting list" for this call in order of merit, according to the requirements established in the call. This "waiting list" will be published the same day as the resolution of the call, and will remain in force during the full project lifetime. If it deems it appropriate, the Evaluation Committee of this call may make use of the "waiting list" provided that any researcher leaves the project voluntarily, and for the entire project duration.

All information on this call, as well as its resolution, will be published on the ITMATI website: <http://www.itmati.com/>.

Peregrina Quintela Estévez
Director of ITMATI

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Asinante/Firmante/Signer: PEREGRINA QUINTELA ESTEVEZ, NIF 36038289A, 30/10/2017 20:11:36.

CSV: B053-6386-42E3-BEC9