

# IO1157 Postdoctoral Researcher (5 openings)

## Job description

Main job	Science - Nuclear physics
Title of the position	Postdoctoral Researcher (5 openings)
Job family	Scientific coordination
Grade	P1
Direct employment	Not required
Purpose	<p>To pursue a programme of original research in an area of fusion science or technology relevant to the ITER Project. (see more details about these openings at <a href="http://www.iter.org/monaco2012">http://www.iter.org/monaco2012</a>)</p> <p>Carries out original research under an agreed programme in support of the development of fusion energy; research possibilities exist in many areas of fusion science and technology, including:</p> <ul style="list-style-type: none"> <li>- Burning plasma physics (confinement, stability, plasma-wall interactions, plasma control, energetic particle physics);</li> <li>- Heating and current drive physics and technology;</li> <li>- Fusion plasma diagnostics;</li> <li>- Control systems and methodology;</li> <li>- Superconducting magnet technology;</li> <li>- Electrical engineering;</li> <li>- Mechanical engineering/ structural analysis;</li> <li>- Remote handling technology;</li> <li>- Vacuum technology and plasma fuelling technology;</li> </ul>
Main duties / Responsibilities	<ul style="list-style-type: none"> <li>- Cryogenics;</li> <li>- Thermohydraulics.</li> </ul> <p>As appropriate, establishes collaborations with researchers working in related areas in fusion laboratories in the ITER Members;</p> <p>Interfaces with members of IO staff and external experts/ contractors as appropriate to the research programme;</p> <p>Publishes the results of research in appropriate conference proceedings and refereed journals;</p> <p>Maintains a strong commitment to the implementation and perpetuation of the ITER Safety Program, values and ethics.</p>
Measures of effectiveness	<p>Contributes effectively to progress in the area of fusion science or technology defined by the agreed research programme;</p> <p>Contributes to the team activity in the relevant area of the ITER Project;</p> <p>Supports the activities of the ITER Organization as required.</p>

## Applicant criteria

Level of study	PhD or equivalent degree
Diploma	ITER-related scientific or engineering field
Level of experience	Young graduate
Technical experience	Research experience commensurate with that required for the award of a PhD.
Social skills	<p>Ability to work effectively in a multi-cultural environment , Ability to work in a team and to promote team spirit</p> <p>Necessary Qualifications:</p> <p>The applicant must be a national of one of the ITER Members or of the Principality of Monaco;</p> <p>The applicant must have received their PhD since 1 January, 2009, or must receive their PhD prior to the deadline for beginning the Fellowship.</p>
General skills	Computer and IT skills:

Knowledge of computational methods for physics or engineering analysis would be an advantage.

Knowledge of common scientific computing languages (e.g. Fortran, C) would be an advantage.

Languages English (Working)

Specific skills MS Office standard (Word, Excel, PowerPoint, Outlook)

How to Apply (see also at <http://www.iter.org/monaco2012>) :

Applicants are requested to apply through the ITER.org job site.

The e-Recruitment system will require you to:

- Free criteria
- 1) Fill-in an online application file
  - 2) Upload the your Curriculum Vitae (including a list of your publications and photocopies of your highest academic qualification)
  - 3) Upload a letter of motivation (limited to 2 pages)

Important: Three letters of recommendation are also required. Please send those letters together with a copy of your CV, publication list and motivation letter in one PDF file to HR-Recruitment@iter.org with the subject: 2012 Monaco Fellowship application

Note: For merging documents into a single PDF file, free software is available at [angusj.com](http://angusj.com)

Further Information: For questions related to aspects of the Monaco/ITER Postdoctoral Fellowships or the associated research projects please contact [David.Campbell@iter.org](mailto:David.Campbell@iter.org).