

IO1936 Postdoctoral Researcher (5 openings)

General information

Job category	Standard
Status	Confirmed
Department	To be determined

Job description

Main job	Fusion - Science or Technology
Title of the position	Postdoctoral Researcher (5 openings)
Job family	Postdoctoral Researcher
Grade	P1
Direct employment	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 http://www.iter.org/monaco2018)</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">Control TechnologyPlasma facing materials and componentsBurning plasma physics (confinement, stability, plasma-wall interactions, control, energetic particle physics)Heating and current drive physics and technologyFusion plasma diagnosticsSuperconducting magnet technologyElectrical engineeringMechanical engineering/ structural analysisRemote handling technologyVacuum technology and plasma fuelling technologyCryogenics
Main duties / Responsibilities	<p>Tokamak Operations</p> <p>Tritium Breeding and tritium handling technology</p> <p>Thermohydraulics</p> <p>As appropriate, establishes collaborations with researchers working in related areas in fusion laboratories in the ITER Members;</p> <p>Publishes the results of research in appropriate conference proceedings and refereed journals;</p> <p>Performs other duties in support of the project schedule as described in the Detailed Work Schedule and the Strategic Management Plan;</p> <p>Performs other duties linked to the above purpose upon management request, as necessary;</p> <p>Maintains a strong commitment to the implementation and perpetuation of the ITER Safety Program, values and ethics.</p> <p>Reports to the appropriate line management within the ITER Organization.</p> <p>Interfaces to members of IO staff and external experts/ contractors as appropriate to the research programme.</p> <p>Contributes effectively to progress in the area of fusion science or technology defined by the agreed research programme;</p>
Measures of effectiveness	<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> <p>Project Construction Phase</p>

Applicant criteria

Level of study	PhD or equivalent degree
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Level of experience	<p>Young graduate</p> <p>Research experience commensurate with that required for the award of a PhD.</p>
Technical experience/knowledge	<p>Computer and IT skills:</p> <p>Normal skills in use of PCs, including office software;</p> <p>Knowledge of computational methods for physics or engineering analysis would be an advantage;</p> <p>Knowledge of common scientific computing languages (e.g. Fortran, C) would be an advantage.</p>
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>
General skills	<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, 2015 , or must receive their PhD prior to the deadline for beginning the Fellowship.</p>
Languages	<p>English (Working)</p> <p>How to Apply (see also at http://www.iter.org/monaco2018) :</p> <p>Applicants are requested to apply through the ITER.org job site.</p> <p>The e-Recruitment system will require you to:</p> <ol style="list-style-type: none"> 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)
Others	<p>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: 2018 Monaco Fellowship application</p> <p>Note: For merging documents into a single PDF file, free software is available at angusj.com</p> <p>Further Information: For questions related to aspects of the Monaco/ITER Postdoctoral Fellowships or the associated research projects please contact Tim.Luce@iter.org.</p>