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Ref. IO1091 - 5/31/2010

**Diagnostic Physicist - CHD-021**

<b>Main job</b>	Plasma physics
<b>Departments</b>	CHD/Department for CODAC and IT, Heating and CD, Diagnostics
<b>Divisions</b>	CHD / Diagnostics Division
<b>Job Family</b>	Scientific coordination
<b>Application Deadline</b>	6/30/2010
<b>Grade</b>	P3
<b>Direct employment</b>	Not required
<b>Supervised by:</b>	Division Head
<b>Purpose</b>	To be responsible for the design, supporting research and development and ultimate implementation of diagnostic systems on ITER such as Polarimetry, interferometry, active spectroscopy, Thomson scattering; To work with the ITER Parties in the specification and realisation of various systems.
<b>Main duties / Responsibilities</b>	<ul style="list-style-type: none"> <li>- Supports the Division Head in all matters related to the diagnostic systems for ITER construction;</li> <li>- Is responsible for the preparation and procurement of various diagnostics especially those necessary for active spectroscopy and other optical measurements;</li> <li>- Oversees and manages all technical aspects of these systems;</li> <li>- Develops detailed project implementation plans for all related work, and monitors and controls cost and schedules for all related activities;</li> <li>- Effectively interfaces with other ITER Organization Departments and with ITER Domestic Agencies as necessary to achieve successful implementation;</li> <li>- Assists in the development of the ITER diagnostic systems and appropriate documentation as needed;</li> <li>- Maintains a strong commitment to the implementation and perpetuation of the ITER Safety Program, values and ethics.</li> </ul>
<b>Measures of effectiveness</b>	<ul style="list-style-type: none"> <li>- Successfully maintains effective communication with all interfacing divisions and sections within the ITER Organization, and with the Domestic Agencies;</li> <li>- Ensures that the design, fabrication and implementation of these diagnostic systems are completed in a timely manner and within the defined budget.</li> </ul>
<b>Level of study</b>	Master or equivalent degree
<b>Diploma</b>	Experimental Physics
<b>Level of experience</b>	5 to 9 years
<b>Technical experience</b>	<ul style="list-style-type: none"> <li>- At least 5 years of relevant experience in Experimental Physics and diagnostic systems and especially those mentioned above;</li> <li>- Experience in the project initiation, management, design, installation and operation of diagnostic systems on magnetic fusion devices;</li> <li>- Knowledge of the ITER diagnostic systems and their technical requirements would be an advantage;</li> <li>- Experience in project management and in effective Quality Assurance management.</li> <li>- Extensive experience in managing international collaborations and demonstrated ability to represent an international organization such as ITER.</li> </ul>
<b>Social skills</b>	Ability to work effectively in a multi-cultural environment Ability to work in a team and to promote team spirit
<b>General skills</b>	MS Office professional (Access, Project, Publisher, Visio ) MS Office standard (Word, Excel, PowerPoint, Outlook)
<b>Specific skills</b>	- Knowledge and experience working with appropriate

software tools to meet the technical requirements of the post, for example IDL (Interactive Data Language) or MATLAB;

- Experience with formal project management system;
- Excellent presentational skills;
- Project planning tools.

**Languages** English (Fluent)

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