

STAGE / INTERNSHIP

Description of the internship work

(Master thesis/6-12 months):

Context:

Requirement Management and Verification (RMV) are the activities performed that ensure technical requirements are identified, documented, maintained, communicated, traced throughout **the life cycle of the composing systems** and achieved on the ITER Facility and ITER systems.

A collaboration is going to be set up with F4E (Fusion For Energy-Barcelona) to adapt and extend their methodology to IO RMV system.

The intern will be involved (suggest ideas, review documents) in this collaboration.

Scope:

Requirement management and verification for a complex project (ITER Facility).

The “intern’s project” will be around the analysis of what is existing and a proposal for process improvement.

Work to be done

- Creation of training material defining the roles and responsibility of the participating roles: System ROs, Integrated Systems/Integrated Functions ROs, Discipline control ROs, and their line managers.
- Inventory of the existing RMV materials available in the Quality Management System and in the most advanced projects (buildings, magnets, ...)
- Analysis and proposal of improvements.
- Report

Profile:

Engineering School (Master 2) majoring in system engineering for complex systems.

Technical skills:

Mastering Windows Office tools or equivalent (WORD, EXCEL, ACCESS)

Knowledge of requirement engineering processes essential,

Knowledge of requirement engineering tools (DOORS or equivalent) would be an advantage,

Knowledge of computing language (UML/SYSML) would be appreciated.

Other skills:

Fluency in English,

Ability to write clear and concise reports in English

Ability to work in a multi-cultural environment.

Supervisor: Alain Guigon and collaboration with C. Baylard.

Start date: Beg. 2016 (February-March 2016 preferable)

Lieu probable de stage (à confirmer) :

Cadarache 13067 St. Paul-lez-Durance (près d'Aix-en-Provence)