

PERSONAL INFORMATION



Dr. ELISE DELCHAMBRE, PMP

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POSITION

Physicist / Project Management Professional

WORK EXPERIENCE

01/01/2016–Present

Head of the Methods and Projects Group at CEA/DRF/IRFM/SI2P

CEA, St Paul lez Durance (France)

- Implementing project management processes in the initiating, planning, execution, monitoring & controlling, closing phases of projects contracted with ITER Organization and Fusion for Energy
- Monitoring projects by implementing a dashboard based on Earned Value Management
- Proposing tailored project management methodologies, tools and training
- Supporting projects in terms of cost assessment, quality, risk, scheduling and requirements

01/01/2014–31/12/2015

Project Control Officer of the F4E-FPA407-SG02 Coordination Support Office

CEA, St Paul lez Durance (France)

- Controlling and Monitoring the execution and the performance of the FPA407 Project
- Monitoring action mitigation progression.

Risk & RAMI (Reliability, Availability, Maintainability and Inspectability) Officer of the F4E-FPA407 SG03 System Level Design, for the development and design of the Equatorial VIS/IR Wide Angle Viewing System of ITER.

01/01/2012–31/12/2014

RISK Officer of the WEST Project

CEA, St Paul lez Durance (France)

- WEST Project Risk Management
- RAMI Analysis (IR Thermography, Power Supply, ICRH Antenna)
- Baseline Modification (**P**roject **C**hange **R**equest & **C**hange **C**ontrol **B**oard)

01/07/2006–31/12/2014

Physicist at CEA/DSM/IRFM

CEA St Paul lez Durance

- Plasma-Wall Interaction : erosion/deposition assessment, temperature and emissivity measurement, power flux calculation.
- Diagnostics development and data analysis : Infra-Red Thermography, Vis/IR Spectroscopy, Pyroreflectometry EFDA Task WP12-IPH-A11-1-05/PS-01/CEA Thermography on Metallic surface

01/07/2004–31/07/2006

Marie Curie Fellowship for a Post-doctoral position on MAST at UKAEA

CCFE, Culham (United Kingdom)

01/01/2000–31/12/2003

PH.D in Plasma physics

CEA, St Paul lez Durance (France)

Title : Near InfraRed emission of carbonaceous surfaces in Tore Supra under plasma particle impact

EDUCATION AND TRAINING

01/01/1999–31/12/2000

Advanced University Post-Graduated Diploma in Radiations and Plasmas Physics

Aix-Marseille University, MARSEILLE (France)

PERSONAL SKILLS

Mother tongue(s) French

Other language(s)

	UNDERSTANDING		SPEAKING		WRITING
	Listening	Reading	Spoken interaction	Spoken production	
English	C2	C2	C1	C1	C1

Test of English for International Communication (TOEIC)

Levels: A1 and A2: Basic user - B1 and B2: Independent user - C1 and C2: Proficient user
Common European Framework of Reference for Languages

Communication skills Publications & Posters

[Related document\(s\): EDE_publications.png](#)

Organisational / managerial skills

- Provide clear direction and guidance
- Involve individuals and team in decision making
- Flexibility and ability to adapt to change and cultural realities
- Communication, active listening, team building
- Pro-active, can-do attitude

Job-related skills

- **Project Management Processes** : Integration, Scope, Time, Risk, Human Resources, Quality, Risk, Communication, Procurement, Stakeholders - **PMP® certified by the Project Management Institute PMI**
- **Project Control** : Dashboard, Earned Value, Probabilistic Schedule analysis
- **System Engineering** : requirement management & RAMI

Digital competence

SELF-ASSESSMENT				
Information processing	Communication	Content creation	Safety	Problem solving
Proficient user	Proficient user	Independent user	Basic user	Independent user

Digital competences - Self-assessment grid

MS Project, MindView6, DOORS & F4E MIR Toolkit (Manage ITER Requirement), Reliasoft Blocks, Primavera Risk Analysis, VISIO

ANNEXES

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Publications

- **Availability Requirements of Port-Plug Components as Design Driver for the ITER Wide Angle Viewing System**
Poster ISFNT-12
- **RAMI approach as guidance for optimizing the design of the WEST machine protection system using IR thermography measurements** Fusion Engineering and Design Poster SOFT 2014 - accepted for publication in the Journal of Fusion Engineering and Design.
- **Performance of the Pyroreflectometry in Magnetic Fusion Devices for Plasma Wall Interaction monitoring.** Oral presentation at the 11th Quantitative Infrared Thermography (QIRT 2012). Submitted to QIRT journal.
- **Performance of pyroreflectometry in a reflective environment.** Phys. Scr. **T145** (2011) 014078 (4pp). 13th International Workshop on Plasma Facing Materials and Components for Fusion Applications (2011).
- **Surface temperature measurement in the medium and long wavelength infrared range on MAST.** Journal of Nuclear Materials, v.415, no.1, 2011 August 1, p.S1178-S1181. 19th Conference on Plasma Surface Interactions (PSI-2010)
- **Temperature measurement at medium and long wavelength.** 12th International Workshop on Plasma Facing Materials and Components for Fusion Applications (2009).
- **Effect of micrometric hot-spots on surface temperature measurement and flux calculation in the middle and long infrared.** Plasma Phys. Control. Fusion 51 (2009) 055012.
- **Characterization of the carbon erosion source on the limiter of Tore Supra.** Journal of Nuclear Materials, Volumes 390-391, 15 June 2009, Pages 65-67. 18th Plasma Surface Interactions in Controlled Fusion Devices (2008)
- **Multi spectral imaging system as a tool for erosion characterization.** IAEA Workshop Challenges in plasma spectroscopy for future fusion research (2008)
- **Issues related to power load studies in MAST with infrared camera.** Proceeding 32^d EPS Plasma Physics Conference, Spain, 30 June – 1st July 2005.
- **Hot effect on infrared spectral luminance emitted by carbon under plasma particles impact.** Journal of Nuclear Materials, Vol. 337-339 (2005), p. 1069-1072 (2005)
- **Near infrared spectra of carbon deposited layers from Tore Supra under plasma particle bombardment.** Plasma Devices and Operations, vol. 12 n°1 (2004) p.49-55 (2004)
- **Hot spots effect on infrared spectral luminance emitted by carbon under plasma particles impact.** 16th Int. Conf. on Plasma Surface Interaction in controlled Fusion Devices (2004)
- **Origine de la déformation spectrale de la luminance proche infrarouge des composants en carbone de Tore Supra.** Thèse Université de Provence, Aix-Marseille I, Novembre 2003 (2003)
- **Scanning Electron Microscopy characterisation of carbon deposited layers collected from Tore Supra.** Proceeding 30th EPS Contr. Fus. Plasma Physics, (EPS) (ECA) vol 27, P3-169, July 5-9 2003, St Petesburg, Russia.
- **Near infrared emission of carbonaceous surfaces under impact low energy electrons and high energy protons.** Contribution to the 15th PSI, May 27-31 2002, Gifu, Japan.