

**Huguet Michel**  
Curriculum Vitae

## **Personal**

### **Degree and Doctorate**

- Electrical engineering diploma: Ecole Supérieure d'Electricité, Paris, France, 1964.
- Doctorate: High resolution gamma ray spectroscopy and application to the study of the disintegration of  $^{56}\text{Co}$ , University of Nice, France, 1967.

French Military Service: Laboratoire Central de l'Armement (1968)

## **Professional Career**

### **Fusion research at Commissariat à l'Energie Atomique, France**

1969/73      Research Engineer at Commissariat à l'Energie Atomique, Fontenay aux Roses, France.  
Design, construction, commissioning and operation of the magnet system and structures of the TFR Tokamak.

### **European fusion project JET**

1973/78      JET Project design team: Group Leader, Culham, UK.  
Design & development of the JET toroidal field magnet system.

1978/83      JET Project construction phase: Head of Magnet Division, Culham, UK.  
Procurement, assembly and commissioning of all JET magnets and associated services.  
Responsible for the whole Tokamak assembly & commissioning.

1983/85      JET Project operation phase: Head of Torus Division, Culham, UK.  
First wall, vacuum vessel, magnets & machine operation services.

1985/92      JET Associate Director and Head of Machine and Development Department, Culham, UK.  
JET Tokamak, power supplies, remote handling & tritium plant.

### **Fusion project ITER**

1992/2003    ITER Engineering Design Activities (EDA): Deputy Director and Head of Naka ITER Joint Work Site. ITER Central Team, Naka, Japan.  
Ex-vessel systems including magnets, cryostat, thermal shields, plasma control, neutral beams, cryoplane, water cooling, tritium plant, remote handling, buildings.

June 2003    Retirement

## **Main consulting activities**

### **Consultancy activities at ITER project (France, Cadarache):**

2005-2006: Chairman of Magnet Review Group  
2006-2008: Chairman of Technical Advisory Group reporting to the Technical Director  
2006 to date: Chairman of design reviews (magnets and assembly)

### **Consultancy activities at EUROfusion (Garching, Germany)**

2015 to 2020: Engineering Grant panel review

2008 to 2020: Chairman of DEMO magnet review group

2017 to 2019: Technical Review group for the NSTX-U project (USA, Princeton Plasma Physics Laboratory)

2004-2008      Technical consultant to the W7X Project (Prof. F. Wagner)

2005, 7 & 9    Member of the EAST Project International Review Committee (China, Hefei),

2007, 2009    Technical consultant to KSTAR project (Korea, Daejeon).

### **Teaching**

1990, 2 & 4    University of California at Santa Barbara: Fusion course; one term shared with two JET colleagues

2007 to date    Université de Provence, Marseille Saint Jérôme: Participation to a Master course on fusion technology