

**Job/Fellowship Reference:** C2008-IST/IDMEC.7

**Main research field:** Engineering

**Sub research field:** Mechanical Engineering, Chemical Engineering

**Job summary:**

**IDMEC/IST-7: *Modeling of strongly radiating turbulent diffusion flames.***

The innovative aspects of the proposed work lie in the coupling between turbulence and radiation, which is particularly relevant in strongly radiating flames, such as those found in industrial furnaces, boilers and fires.

The final selection of candidates for the open positions will be subject to a decision from FCT.

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**Vacant posts:** 1

**Type of contract:** Contrato a termo certo

**Job country:** Portugal

**Job city:** Lisboa

**Job company/institute:** Instituto Superior Tecnico

**Application deadline:** 17 Setembro 2008

*(The Application's deadline must be confirmed on the Job Description)*

## **2. Dados de contactos da organização**

### **2. Organization contact data**

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**Organization/institute:** Instituto Superior Técnico-Instituto de Engenharia Mecânica

**Address:**

Av. Rovisco Pais, 1  
Lisboa - 1049-001  
Portugal

**Email:** [carlosmota-soares@dem.ist.utl.pt](mailto:carlosmota-soares@dem.ist.utl.pt)

**Website:** <http://www.idmec.ist.utl.pt/>

## **3. Habilitações académicas**

### **3. Required education Level**

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**Degree:** PhD - in related areas of the application field with

scientific publications and previous research experience are required in the application field

**Degree field:** Engineering

#### **4. Línguas exigidas**

#### **4. Required languages**

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**Language:** English  
**Priority:** Normal  
**Reading:** Good  
**Writing:** Good  
**Comprehension:** Good  
**Conversation:** Good

#### **5. Experiência exigida em investigação**

#### **5. Required research experience**

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**Main Research Field:** Engineering  
**Research Sub-Field:** Mechanical engineering  
**Years of Research Experience:** 3 years

#### **6. Juri**

#### **6. Selection Committee**

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**Name:** [Carlos A. Mota Soares](#)  
**Name:** [Luís Braga Campos](#)  
**Name:** [John T. McMullan](#)  
**Name:** [Tony Atkins](#)  
**Name:** [Tony Atkins](#)  
**Name:** [J. N. Ready](#)