

CALL FOR ADMISSION

# PhD in Material Science and Technology

PhD course in Environmental and Energy Engineering Sciences  
The Polytechnic Department of Engineering and Architecture  
University of Udine, Italy

*Theme: "Characterization of washing environments and their impact on appliances and textiles in professional laundry systems"*

The Research Hub by Electrolux Professional offers a **3-year scholarship** for a doctoral student placement in **Electrolux Professional's Global R&D**. At our facilities in Pordenone in northern Italy and in Ljungby in southern Sweden, we have created an attractive research environment for PhD students who want to be part of an international company and be directly involved in the product development process, in particular the innovation generation phase, both incremental and disruptive.

The research will focus on the **behavior of materials and their interaction with chemicals during their life service in professional laundry equipment**. Through both formal training at the Udine University and research training at the company facilities in Italy and Sweden, the student will develop skills in failure mode analysis, such as materials behaviors in harsh environments, failure analysis techniques and DOE methodologies. The student will have the possibility to develop soft-skills such as practical problem solving skills, the ability to work within a matrix organization, good communication skills and team orientation.

#### POSITION REQUIREMENTS:

- Knowledge in Materials Engineering
- Open-minded
- Creative & Proactive
- A performance driven approach
- Enthusiasm
- Willing to travel

#### Required Languages

- English

#### Location:

Electrolux Professional, Advanced Development & Technologies Department, Pordenone, Italy (18 months) and Ljungby, Sweden (18 months) and the Laboratories of the Polytechnic Department of Engineering and Architecture at the University of Udine, Italy

**Reimbursement:** ca 1500 €/month (tax free) + lunch and travels

#### About the company:

Electrolux Professional is a global leader in the production and distribution of professional food service and laundry solutions. We are looking for innovative, open-minded, optimistic people with a "can-do" attitude who can translate a thoughtful vision into action. If you believe these qualities apply to you, we encourage you to find out more on our website:

[theresearchhub.electrolux.com/phd](http://theresearchhub.electrolux.com/phd)