

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 materials to be used in professional food service equipment, using microwave as heating source”*

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 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 during their life service, especially when exposed to microwaves and thermal/chemical aggressive environments**. Through both formal training at the Udine University and research training at the company facilities, 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 Headquarters, Advanced Development & Technologies Department, Pordenone and the Laboratories of the Polytechnic Department of Engineering and Architecture at the University of Udine, Italy

Reimbursement: ca 1300 €/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