

CALL FOR ADMISSION

# PhD in Scientific Computing and Data Science

PhD course in Mathematical Analysis, Modelling, and Applications  
International School for Advanced Studies (SISSA), Italy

Theme: *“Artificial Intelligence Solutions for Performance Enhancement  
of Professional Food Service Appliances”*

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.

Appliances are generating a growing number of data, and within these so called Big Data, there's a lot of information available. This offers a possibility for Electrolux Professional to use this information for the development of smarter, better and greener food service appliances. **The research will focus on mathematical modeling, numerical methods, scientific computing to deal with this information coming from data in order to improve our knowledge and develop the next generation of products.** Through both formal training at the International School for Advanced Studies in Trieste, Italy, and research training at the company facilities, the student will develop skills in fields such as mathematical modeling, numerical analysis, scientific computing, programming, machine learning, expert systems, data mining and genetic algorithms. 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:

- Technical Degree in Computer Science/Mathematical Engineering/Industrial Engineering/Mathematics
- Open-minded
- Creative & Proactive
- A performance driven approach
- Enthusiasm
- Willing to travel

## Required Languages

- English

## Location:

Electrolux Professional Headquarters, Advanced Development & Technologies Department, Pordenone, Italy and the Laboratories of the International School for Advanced Studies (SISSA), Trieste, 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](http://theresearchhub.electrolux.com/phd)**