

## ANNOUNCEMENT FOR THE PROVISION OF A WORKPLACE

# VAC-2019-56 – Severo Ochoa PostDoc Trainee Position in Building Energy Environment group

CIMNE is a research centre, created in 1987 by consortium between the Catalan Government and the Technical University of Catalunya, devoted to the development and application of numerical methods to a wide range of areas in engineering. CIMNE has been accredited as a Severo Ochoa Centre of Excellence for the period 2019-2023. This is the highest level of recognition of excellence and leadership awarded to a research centre in Spain.

CIMNE is offering a research position that will be funded by the Severo Ochoa Programme.

## Position details

**Number of vacancies:** 1

**Category:** Post Doc Trainee (PDOC2)

**Workplace:** Barcelona

**Salary (gross):** 31.289,84 EUR

**Weekly working hours:** Full time

**Duration:** 2 years

## Functions to be developed:

CIMNE is looking for a **Postdoc Trainee** to be part of the Research and Technical Development (RTD) Group on Building Energy and Environment BEE Group (BEE Group). BEE Group is an independent research group formed by 15 researchers. It was founded in 2001. BEE Group meets the challenge of employing their knowledge and experience to help stakeholders to get the best possible use out of the energy that they consume. BEE Group's R&D activities are focused on: (i) Demand Response in buildings by developing technologies to maximize the flexibility of the electricity network (ii) Energy empowerment and user behaviour with the aim at supporting energy users to save energy; (iii) big data analytics for energy efficiency in buildings by developing data driven algorithms to get insights of the energy performance of huge amounts of buildings in real operation conditions; (iv) energy positive living by working actively to raise the awareness of the trend towards near zero and energy positive buildings; (v) bio-digesters by working in design, implementation and installation of domestic and industrial bio-digesters, adapting to simple technologies in cold climates.

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The functions assigned to the candidate will be:

- Plan and conduct high quality research under the supervision of Dr. Stoyan Danov
- Collaborate with various research groups across Europe and elsewhere
- Document and disseminate the research results within CIMNE and externally
- Publish in high impact journals (a minimum of 3 papers/year is envisaged)
- Participate in research projects and contracts with industry of interest to the RTD Group
- Collaborate in the preparation of competitive RTD research proposals

### Requirements

- Having obtained a PhD degree in smart grids or smart energy communities
- Good publication record (a minimum of 6 papers published in indexed journals)
- Good knowledge of English, both written and spoken.
- Master degree in Electric engineering or in Power Electronics
- Knowledge in data analytics or in statistical modelling applied to the energy efficiency sector

### Other valued skills

- Previous research and/or academic experience in the field of the position
- Good programming skills in Python or in R
- Foreign language skills
- Good communication/Teaching skills

### Evaluation procedure

The requirements and merits will be evaluated with a maximum mark of 100 points. Such maximum mark will be obtained by summing up the points obtained in the following items:

- Publication and career track (40%)
- Previous research and academic experience in the field of the position (20%)
- Programming skills (20%)
- Language skills (10%)
- Communication/Teaching skills (10%)

### How to apply

Candidates must complete the "[Application Form](#)" on CIMNE website, indicating the reference of the vacancy and attaching the following documents:

- Curriculum vitae, including Researcher's ID or ORCID No.

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- A motivation letter.
- Academic transcripts from all Undergraduate, MSc and PhD degrees.
- At least two reference letters.

The deadline for registration to the offer ends on **January 31, 2020 at 12:00 noon**.

Applications will be reviewed by the CIMNE Severo Ochoa selection committee. The shortlisted candidates may be called for an interview and must send to [seleccio@cimne.upc.edu](mailto:seleccio@cimne.upc.edu) the proving documentation of the requirements and merits, if not already submitted during the application phase.

***CIMNE is an equal opportunity employer committed to diversity and inclusion. We are pleased to consider all qualified applicants for employment without regard to race, colour, religion, sex, sexual orientation, gender identity, national origin, age, disability or any other basis protected by applicable state or local law.***

***CIMNE has been awarded the HRS4R label.***