



## NOTICE

### BASIC INFORMATION

Position available within the research project entitled: **“Disclosing the potential of transition metal dichalcogenides for thermoelectric applications through nanostructuring and confinement (MELoDICA)”**, project number **COFUND-FLAGERA II-MELoDICA** .

**Title\***: Research assistant (postdoctoral position)

**Offer Description\***: Postdoctoral position to work on the statistical modeling of transport properties (thermal and electrical conductivity) of the nanostructured and low-dimensional transition metal dichalcogenide materials.

**Researcher Profiles \***: (se bifează opțiunea dorită)

- |                                                      |                                                                |
|------------------------------------------------------|----------------------------------------------------------------|
| <input type="checkbox"/> First Stage Researcher (R1) | <input checked="" type="checkbox"/> Recognised Researcher (R2) |
| <input type="checkbox"/> Established Researcher (R3) | <input type="checkbox"/> Leading Researcher (R4)               |

**Research field \***:

**Type of Contract\***:

**Job Status \***:

**Hours Per Week\***: 8 hours/day

**Application Deadline \***: 23.10.2018

**Envisaged Job Starting Date**: 01.11.2018

**Is the job funded through a EU Research Framework Programme? \***

Is the Job related to staff position within a [Research Infrastructure](#)? (se bifează opțiunea)

**How to Apply \***:

**Contact person\***: Bilc Daniel

\* - Câmpuri obligatorii

E-mail address\*: [Daniel.Bilc@phys.ubbcluj.ro](mailto:Daniel.Bilc@phys.ubbcluj.ro)

Internal Application form needed (.pdf files) (se bifează opțiunea, dacă este cazul)

## HIRING INFO & WORK LOCATION

Number of positions available\*: 1

Company/Institute\*: Babes-Bolyai University, Cluj-Napoca 400084, Str. M. Kogalniceanu no. 1, Romania.

Department\*: Faculty of Physics, Institute of Physics "Ioan Ursu"

## REQUIREMENTS

**Required Education Level** (se completează unul sau mai multe câmpuri, după caz)

Main Research Field\*:

Level\*:

Main Research Field\*:

Level\*:

**Skills/Qualifications:** Higher education in the field of solid state physics and/or theoretical physics; PhD degree in physics obtained after the date of 19.04.2016 .

Competencies for evaluation of the electronic and transport properties of advanced materials used in practical/industrial applications. Competencies to use the specific software for statistical modeling/simulation (for ex. R code, OpenStat Material, ViSta, Mathematica, Matlab, etc.).

**Specific Requirements:** The research experience of at least 6 months (including research stages) in statistical modeling/simulations is absolutely essential.

**Required Languages** (se completează unul sau mai multe câmpuri, după caz)

Language \*

Level\*

Language \*

Level\*

**Required Research Experience** *(se completează unul sau mai multe câmpuri, după caz)*

Research Field \*

Years of Research Experience \*

Research Field \*

Years of Research Experience \*

#### **ADDITIONAL INFO**

**Website for additional job details:** *(câmp opțional)*

**Benefits:** *(câmp opțional)*

**Eligibility criteria:** *(câmp opțional)*

**Selection process:** Evaluation of knowledge in the field (eliminary) and power point presentation of the research activity carried out to date.

**Additional comments:** Additional information at Daniel.Bilc@phys.ubbcluj.ro