



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 *: 30.08.2019

Envisaged Job Starting Date: 19.09.2019

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

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 19.09.2014 .

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