

Str. M. Kogălniceanu nr. 1 Cluj-Napoca, RO-400084 Tel.: 0264-40.53.00 Fax: 0264-59.19.06

> rector@ubbcluj.ro www.ubbcluj.ro

## **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 dor	ită)
First Stage Researcher (R1)	Recognised Researcher (R2)
Established Researcher (R3)	Leading Researcher (R4)
Research field *: Physics	•
Type of Contract*:	
Job Status *: Full-time   ▼	
Hours Per Week*: 8 hours/day	
Application Deadline *: 12.09.2018	
Envisaged Job Starting Date: 01.10.2018	
Is the job funded through a EU Research Fram	ework Programme? *
Is the Job related to staff position within	a Research Infrastructure? (se bifează opțiunea)
How to Apply *: email   ▼	
Contact person*: Bilc Daniel	
* - Câmpuri obligatorii	

E-mail adress\*: 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 Re	search Field*:	Physics		•
Level*:	PhD or equivalent	ì	<b>T</b>	
Main Re	search Field*:	Please Select		•
Level*:	Please Select			

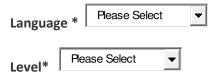
**Skills/Qualifications**: Higher education in the field of solid state physics and/or theoretical physics; PhD degree in physics obtained after the date of 19.04.2016.

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.).

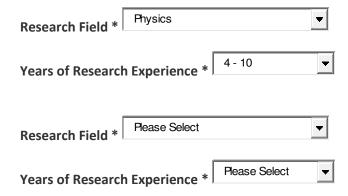
**Specific Requirements**: The research experience of at least 6 months (including research stages) in statistical modeling/simulations is absolutely essential.

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





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



## **ADDITIONAL INFO**

Website for additional job details: (câmp opțional)

Benefits: (câmp opțional)

Eligibility criteria: (câmp opțional)

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

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