

ANNOUNCEMENT

National Institute for Research and Development in Microtechnologies – IMT Bucharest organises a competition for the following vacant positions within the research **PROJECT PNRR/2022/C9/MCID/I8-NR. 760101/23.05.2023 "Development of novel nanocomposite materials with tunable conductivity for electromagnetic shielding and potential uses in electronics and optoelectronics applications" CF 23/14.11.2022.**

Postdoctoral position – 1 free position (position “Postdoctoral 2” the project)

Working time: full time (8 hours / day)

Type of contract: Fixed-term contract: **05.04.2024-31/03/2025**

Date of the contest: **2 April 2024 Ora: 11.00 Local time: 11:00**

Place of the contest: **IMT Bucharest**, Erou Iancu Nicolae Street No. 126 A, Voluntari, Ilfov, Romania

- I.** The application documents will be submitted before **29th of March 2024, 16:00** to the Human Resources Office (Erou Iancu Nicolae No. 126 A, Voluntari, Ilfov, Romania), contact person: Daniela Bucur (tel. + 4021.269.07.70 int. 24; E-Mail: resurse.umane@imt.ro);

II. Contents of the application file:

- a. cover letter (free format);
- b. signed CV and list of published papers (free format);
- c. copies of the graduate / master degree and copies of other documents that proves the graduation of specific training courses;
- d. copy of the identity card;
- e. copy of the marriage certificate (if appropriate);
- f. copies of working contracts or, as appropriate, documents that certify job history.

III. General conditions required for the applicant:

- a. Graduate degree in Physics;
- b. Master in Physics

- c. PhD title in Physics obtained not more than 9 years before the application;
- d. Previous expertise is considered to be a plus;
- e. Romanian or other EU member state citizen;
- f. Resident in Romania;
- g. Very good (written, spoken) knowledge of Romanian and English.

IV. Specific conditions necessary for the job:

- a. Knowledge of fabrication and characterization of semiconductor materials by physical methods and electrospinning;
- b. Material modelling and simulation with applications in composite material properties homogenization for electro-magnetic, mechanical, and thermal field; COMSOL user.
- c. Knowledge of experimental methods for evaluation of electromagnetic radiation interaction with materials.
- d. Experience on experimental data processing and analysis; knowledge of writing and editing scientific articles proved by minimum 2 ISI publications with IF>2 as main author (first or corresponding).

V. Competition steps:

Phase I - Candidate's file analysis (eliminary);

Only the candidates that presented all the requested documents will be accepted for the interview phase.

Phase II – Interview (April 2, 2024, 11:00 a.m., IMT Bucharest)

The list of the candidates accepted in Phase II and the final results will be published on IMT-Bucharest website: www.imt.ro

General Manager,

Dr. Miron Adrian DINESCU

Project coordinator,

Prof. Dr. Emmanouil KOUDOUMAS

