

## **Bucharest University of Economic Studies (UES)**

### **ANNOUNCEMENT**

The Bucharest University of Economic Studies is organizing a selection for the following vacancy:

**Research assistant - 1 position** within the *“IDA Institute for Digital Assets” project, project code 166/15.11.2022*

Part-time work of maximum 80 hours/month, distributed unequally, gross hourly salary 72,00 lei, fixed period of maximum 12 months, with an evaluation carried out at the end of the period. There is also a possibility of extension of the contract until 30 June 2026.

**A. To participate in the competition, candidates must meet the following general and specific conditions:**

#### **1. General conditions:**

- a) has Romanian nationality, citizenship of other Member States of the European Union, of States belonging to the European Economic Area and/or foreigners as they are defined by Art. 2 lit. a) of OUG 194/12.12.2002 with subsequent amendments and additions, respectively persons who do not have Romanian citizenship, citizenship of another Member State of the EU or the citizenry of the Swiss Confederation;
- b) has the minimum statutory age;
- c) has full capacity to work;
- d) meets the study conditions and, where appropriate, seniority or other specific conditions according to the requirements of the position put up for competition;
- e) has not been definitively convicted for committing a crime against humanity, against the State or against authority, or for an offence committed in the course of or in connection with the performance of his or her duties, which obstructs the course of justice, or for forgery or acts of corruption or a crime committed with intent, which would make him or her incompatible with the exercise of the function, except for the situation in which rehabilitation intervened.

#### **2. Specific conditions:**

- a) level of education: at least a bachelor's degree or be a student at the bachelor cycle;
- b) field of study: economics, business administration, cybernetics and statistics, economic informatics, finance, or similar;
- c) other specific conditions.

## **Skills/Qualifications**

- Minimum: bachelor degree or undergraduated student in economics, finance, or a related field.
- Experience in conducting quantitative research, preferably in systemic risk and financial technology.
- Proficiency in mathematical statistics, time series analysis, and high dimensional data science
- Written and verbal communication skills.
- Ability to create scientific ideas and work collaboratively in a research team.

## **B. The selection will consist of:**

### **1. Step 1 - Evaluation of selection files;**

### **2. Step 2 - Structured interview** (in the situation where at least 2 candidates do not register, the competition committee can decide to simplify the procedure and carry out the selection without conducting the interview);

- *the date and time of the interview*: to be announced at the same time as the results of the selection files evaluation are published;
- *the place of the interview*: to be announced at the same time as the results of the selection files evaluation are published,

The tests are eliminatory, the minimum score for each test is 50 points.

## **C. Topics and bibliography:**

### **1. Topics:**

1. Digital assets
2. Blockchain
3. Risk Management
4. FinTech
5. Digital business models
6. Quantinar.com, Quantlet.com, Blockchain-research-center.com

### **2. Bibliography:**

1. Baruník J, Křehlík T (2018), Measuring the frequency dynamics of financial connectedness and systemic risk. *Journal of Financial Econometrics*. <https://doi.org/10.1093/jjfinec/nby001>
2. Bonnet S & Teuteberg F (2023). Impact of blockchain and distributed ledger technology for the management of the intellectual property life cycle: A multiple case study analysis. *Computers in Industry*. <https://doi.org/10.1016/j.compind.2022.103789>
3. Chalmers D, Matthews R & Hyslop A (2021). Blockchain as an external enabler of new venture ideas: Digital entrepreneurs and the disintermediation of the global music industry. *Journal of Business Research*. <https://doi.org/10.1016/j.jbusres.2019.09.002>

4. Diebold FX, Yilmaz K (2012). Better to give than to receive: Predictive directional measurement of volatility spillovers. *International Journal of forecasting*. doi.org/10.1016/j.ijforecast.2011.02.006
5. Frizzo-Barker J, Chow-White PA, Adams PR, Mentanko J, Ha D & Green S (2020). Blockchain as a disruptive technology for business: A systematic review. *International Journal of Information Management*. <https://doi.org/10.1016/j.ijinfomgt.2019.10.014>
6. Lim B, Arik SÖ, Loeff N & Pfister T (2021). Temporal fusion transformers for interpretable multi-horizon time series forecasting. *International Journal of Forecasting*. <https://doi.org/10.1016/j.ijforecast.2021.03.012>
7. Liu Y, He D, Obaidat MS, Kumar N, Khan MK & Choo KKR (2020). Blockchain-based identity management systems: A review. *Journal of network and computer applications*. <https://doi.org/10.1016/j.jnca.2020.102731>
8. Ren R, Althof M, Härdle WK (2022). Financial risk meter for cryptocurrencies and tail-risk network based portfolio construction. <https://doi.org/10.1142/S0217590822480010>
9. Zhan Y, Xiong Y & Xing X (2022). A conceptual model and case study of blockchain-enabled social media platform. *Technovation*. <https://doi.org/10.1016/j.technovation.2022.102610>

**D. Contents of the competition file:**

1. List of all attached documents;
2. Application form addressed to the Rector of UES;
3. Declaration on own responsibility if the applicant has / does not have a spouse or relatives and relatives, up to the third degree inclusive, who are employees of the Academy of Economic Studies in Bucharest in a position of management, control, authority with the post selected and neither the post to which he applies, is not in a leadership, control position with the spouse / wife or relative and related, until the third grade inclusive, university employees;
4. Statement for the processing of personal data;
5. Copy of the identity document or any other document certifying the identity, according to the law, if applicable;
6. Copy of marriage certificate or proof of the change of name, if the candidate has changed his/her name (proof of change of name);
7. The criminal record or a statement on his own responsibility that he has no criminal record that makes him incompatible with the position for which he is applying;
8. Medical certificate attesting the appropriate state of health issued no later than 6 months before the selection by the family doctor of the candidate or by the qualified health units, or the declaration on his own responsibility, with the obligation to complete the selection file with the medical certificate not later than the date of the first test of the recruitment and selection process, if applicable;
9. Curriculum Vitae in European format, RO/ENG – signed and dated on each page;
10. Copies of documents certifying the level of studies and other documents certifying the completion of specializations, as well as copies of documents proving that the specific conditions proving that the specific conditions for the position have been met;
11. Other documents relevant to the competition.

**E. Contact information:**

The selection files will be submitted in a literal format until 29.03.2024 at 13:00, at the ASE Registry, in the “Ion Angelescu” Building, Bastille Fall, ground floor, room 0016, or online at the address provided by the contact person.

Contact person: prof. univ.dr. Daniel Traian Pele – e-mail: danpele@ase.ro

The requested forms can be found on the website of the Project Management Service with Non-Restructible Financing, Resources section, by accessing the link <https://fondurieuropene.ase.ro/resurse/>

**F. The calendar of the selection process:**

| <b>No. crt.</b> | <b>Activities</b>  | <b>Date</b>                               |
|-----------------|--|---|
| <b>1.</b>       | Submitting the candidates' competition files at the ASE Registrar's Office and verification of the documents in the file | Until 29.03.2024 (13.00 time)             |
| <b>2.</b>       | Selection of application files by the members of the competition committee   | 01.04.2024                                |
| <b>3.</b>       | Publication of the results of the selection of the application files   | 01.04.2024                                |
| <b>4.</b>       | Submission of appeals regarding the results of the selection of application files  | 02.04.2024                                |
| <b>5.</b>       | Publication of the results of the appeals  | 03.04.2024                                |
| <b>6.</b>       | Interview  | 04.04.2024                                |
| <b>7.</b>       | Communication of the results after the interview   | 05.04.2024                                |
| <b>8.</b>       | Submission of appeals regarding the interview results  | 08.04.2024                                |
| <b>9.</b>       | Publication of the results of the appeal   | 09.04.2024                                |
| <b>10.</b>      | Publication of the final results   | 09.04.2024                                |
| <b>11.</b>      | Appointment to the position  | After approval from the Board of Trustees |