

**Marie Skłodowska Curie Action – Postdoctoral Fellowship 2023**  
**Expression of interest – Hosting offer**  
**(MSCA-PF-2023)**

<b>Contact Person/Scientist in charge</b> <i>(data of the principal investigator of the research group/lab or scientific supervisor)</i>	<b>Name</b>	Ciprian
	<b>Surname</b>	Dobre
	<b>Email</b>	ciprian.dobre@upb.ro
<b>Laboratory /Department /Institute /Centre /</b> <i>(data of the centre/department where the fellow would be located)</i>	<b>Name</b>	Distributed Systems Laboratory @UPB <a href="https://mobylabupb.com/">https://mobylabupb.com/</a>
	<b>Address</b>	PRECIS Research Center, University Politehnica of Bucharest, Bucharest, Romania
<b>Research Area</b> <i>(Please select the research area: corresponding to the eight MSCA evaluation panels. You can select between one and up to three scientific areas per EO)</i>		Computer and Information Science and Engineering (ENG)
<b>Brief description of the Centre/Research Group</b> <i>(max. 1,600 characters including spaces: information about the research centre or research group, scientific staff. Please include URL if possible)</i>		<p>MobyLab is dedicated to researchers and students interested in the development of RDI in system/platform development and Computer Science and Engineering. Research-Development-Innovation activities in fields like Wireless and Broadband Networks, Internet of Things, Communication Technologies, Data Science, Mobile and Ubiquitous Computing, Security and Privacy for Mobile and Urban Smart Technologies, Monitoring Wireless Networks, Modelling / Simulation, Mobile applications (embedded, vehicular networks).</p> <p>Our lab infrastructure is described at <a href="https://mobylabupb.com/">https://mobylabupb.com/</a>. A series of research proposals for collaboration are available at <a href="https://mobylabupb.com/colaborare/">https://mobylabupb.com/colaborare/</a>.</p> <p>We ensure from Teaching&amp;Training activities (see <a href="https://mobylabupb.com/workshop-uri/">https://mobylabupb.com/workshop-uri/</a> and <a href="https://mobylabupb.com/materii/">https://mobylabupb.com/materii/</a>) to support in active development of prototypes and ideas that need to be evaluated and tested in different piloting scenarios.</p>
<b>Project description</b> <i>(max. 1,800 characters including spaces: short description of the research project / research line where the fellow would be hosted and develop his /her project)</i>		<p>Our research collaboration topics include:</p> <ul style="list-style-type: none"> <li>- Open Science: We have data on research output at UPB, and would love to work with Data Scientists on the analysis of results. We are developing data sharing and data cleansing RDI solutions in collaboration.</li> <li>- Federated Learning: solutions for dealing with learning from mobility, for example, and many others.</li> <li>- Blockchain: solutions to deal with decentralised policy and authorisation control, and many other dApps.</li> <li>- Smart apps: for mobility support and clean green cities, for energy management or smart buildings and smart/precision agriculture (and yes, we have data from sensors in the field).</li> </ul> <p>For a list of current collaborative proposals, please see <a href="https://mobylabupb.com/colaborare/">https://mobylabupb.com/colaborare/</a>.</p>

**Applications: documents to be submitted and deadlines**

*(Please indicate the documents that the candidate fellow should submit to establish contact: CV, letter of motivation, letter of references, etc., please indicate deadline. Recommended deadline: April 2023)*

- CV and list of publications
- Letter of motivation
- Letter of reference

Deadline: May 2023