



Ministerul Educației  
Universitatea POLITEHNICA din București

**Formular de publicare a posturilor didactice  
în platforma *Euraxess***



HR EXCELLENCE IN RESEARCH

## I. Basic information

Title	<b>Conferentiar, pozitia 11</b> <b>Associate professor, position 11</b>
Offer description	<p>The Faculty of Engineering in Foreign Languages was created in 2002 by transforming the Department of Engineering Sciences (started in 1990) into a faculty of the University POLITEHNICA of Bucharest. The individuality of this faculty is given by the fact that engineering education is given in one of the foreign languages: English, French and German. For more information, the website of the faculty is at <a href="http://fils.upb.ro/">http://fils.upb.ro/</a></p> <p>The Department of Engineering in Foreign Languages represents the technical department of the faculty. It is made by around 20 academic personnel with competences in engineering and in at least one of the languages English, French and German. There are included two lecturers sent by the French and German states. For more information, the website of the department is at <a href="http://dils.upb.ro/">http://dils.upb.ro/</a></p> <p>The organizational chart of the department is the list of the subject components covered by the members of the department and by external professionals, where the department is responsible for the delivery of the topics and for quality of the learning.</p> <p>The position 11 is Associate Professor in the domain of Computers and Information Technology and covers the subjects:</p> <ul style="list-style-type: none"><li>• Conception des algorithmes (Course, Laboratory)</li><li>• Reseaux de neurones et algorithmes genetiques (Course, Laboratory)</li><li>• Human-Computer Interaction (Course)</li></ul>
Research field	Computer science

**Is the job funded through a EU Research Framework Programme?\***

Click pentru a selecta o optiune.

No

**Where to apply**

[floarea.dragomir@upb.ro](mailto:floarea.dragomir@upb.ro)

## II. Hiring information and work location

Faculty	<b>Inginerie în Limbi Straine</b>
Department	Department of Engineering in Foreign Languages
Department/Centre website	<a href="http://dils.upb.ro/">http://dils.upb.ro/</a>
Contact person e-mail	<a href="mailto:dilsupb@gmail.com">dilsupb@gmail.com</a>

Contact person phone number

+40 21 402 96 06

### III. Requirements

Required education level	<b>Computer science</b> <b>Ph.D. or equivalent</b>
Skills/Qualifications	<b>The position implies actual knowledge in the fields of Algorithm Design, Neural Networks and Genetic Algorithms and of Human-Computer Interaction. The subjects are important themes for engineering and relevant topics for the study of computer science and information technology.</b>
Specific requirements	
Required languages	<b>English – Excellent</b> <b>French - Excellent</b>
Required research experience	<b>Computer science</b> <b>4-10</b>

### IV. Additional information

*Această secțiune este opțională.*

Additional comments	<p>The candidates for this position must comply with the minimum required and mandatory standards to award teaching positions in higher education, as stated in the Order of the Minister of National Education and Scientific Research no. 6129/2016.</p> <p>Also, the minimum conditions from the methodology regarding the employment of vacancy teaching and research position in UPB must be met (<a href="https://posturivacante.upb.ro/legislatie/">https://posturivacante.upb.ro/legislatie/</a>).</p> <p>All academic staff at UPB enjoy several benefits, such as training and professional development opportunities, holiday leave, accommodation in UPB residences, banking facilities, access to research infrastructure, and software for remote working.</p>
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## V. ANEXA: Lista subdomeniilor de cercetare.

Biological sciences	<input type="checkbox"/>	<b>Communication science</b>	<input type="checkbox"/>
Biodiversity	<input type="checkbox"/>	Graphic communication	<input type="checkbox"/>
Biological engineering	<input type="checkbox"/>	Science communication	<input type="checkbox"/>
Biology	<input type="checkbox"/>		
		<b>Computer science</b>	<input checked="" type="checkbox"/>
<b>Agricultural sciences</b>	<input type="checkbox"/>	3D Modelling	<input checked="" type="checkbox"/>
Soil science	<input type="checkbox"/>	Automatic computing	<input type="checkbox"/>
Agronomics	<input type="checkbox"/>	Computer architecture	<input type="checkbox"/>
Agricultural products	<input type="checkbox"/>	Computer hardware	<input type="checkbox"/>
		Computer systems	<input checked="" type="checkbox"/>
<b>Arts</b>	<input type="checkbox"/>	Cybernetics	<input type="checkbox"/>
Visual arts	<input type="checkbox"/>	Database management	<input checked="" type="checkbox"/>
		Digital systems	<input checked="" type="checkbox"/>
<b>Astronomy</b>	<input type="checkbox"/>	Informatics	<input type="checkbox"/>
Astrophysics	<input type="checkbox"/>	Modelling tools	<input type="checkbox"/>
Cosmology	<input type="checkbox"/>	Programming	<input checked="" type="checkbox"/>
Other			
		Systems design	<input type="checkbox"/>
<b>Chemistry</b>	<input type="checkbox"/>		
Analytical chemistry	<input type="checkbox"/>	<b>Economics</b>	<input type="checkbox"/>
Applied chemistry	<input type="checkbox"/>	Applied economics	<input type="checkbox"/>
Biochemistry	<input type="checkbox"/>	Business economics	<input type="checkbox"/>
Combinatorial chemistry	<input type="checkbox"/>	Commercial economics	<input type="checkbox"/>
Computational chemistry	<input type="checkbox"/>	Consumer economics	<input type="checkbox"/>
Heterogenous chemistry	<input type="checkbox"/>	Econometrics	<input type="checkbox"/>
Homogeneous chemistry	<input type="checkbox"/>	Industrial economics	<input type="checkbox"/>
Inorganic chemistry	<input type="checkbox"/>	Market economics	<input type="checkbox"/>
Instrumental analyses	<input type="checkbox"/>	Marketing	<input type="checkbox"/>
Instrumental techniques	<input type="checkbox"/>	Management studies	<input type="checkbox"/>
Molecular chemistry	<input type="checkbox"/>	Production economics	<input type="checkbox"/>
Organic chemistry	<input type="checkbox"/>	Transport economics	<input type="checkbox"/>
Physical chemistry	<input type="checkbox"/>		
Other	<input type="checkbox"/>	Other	<input type="checkbox"/>
Reaction mechanisms and dynamics	<input type="checkbox"/>		
Solar chemistry	<input type="checkbox"/>	<b>Engineering</b>	<input type="checkbox"/>
Structural chemistry	<input type="checkbox"/>	Airspace engineering	<input type="checkbox"/>
		Agriculture engineering	<input type="checkbox"/>
		Biomaterial engineering	<input type="checkbox"/>
<b>Education</b>	<input type="checkbox"/>	Biomedical engineering	<input type="checkbox"/>
Learning studies	<input type="checkbox"/>	Chemical engineering	<input type="checkbox"/>
Research methodology	<input type="checkbox"/>	Civil engineering	<input type="checkbox"/>
Teaching methods	<input type="checkbox"/>	Communication engineering	<input type="checkbox"/>
		Computer engineering	<input checked="" type="checkbox"/>
<b>Information science</b>	<input type="checkbox"/>	Control engineering	<input type="checkbox"/>
Information management	<input type="checkbox"/>	Design engineering	<input checked="" type="checkbox"/>
		Electrical engineering	<input type="checkbox"/>

<b>Management</b>	<input type="checkbox"/>	Electronic engineering	<input type="checkbox"/>
		Industrial engineering	<input type="checkbox"/>
<b>Mathematics</b>	<input type="checkbox"/>	Knowledge engineering	<input checked="" type="checkbox"/>
Combinatorial analysis	<input type="checkbox"/>	Materials engineering	<input type="checkbox"/>
Computation mathematics	<input type="checkbox"/>	Mechanical engineering	<input type="checkbox"/>
Discrete mathematics	<input type="checkbox"/>	Microengineering	<input type="checkbox"/>
Chaos theory	<input type="checkbox"/>	Nuclear engineering	<input type="checkbox"/>
Applied mathematics	<input type="checkbox"/>	Precision engineering	<input type="checkbox"/>
Algebra	<input type="checkbox"/>	Process engineering	<input type="checkbox"/>
Algorithms	<input checked="" type="checkbox"/>	Projects engineering	<input type="checkbox"/>
Geometrics	<input type="checkbox"/>	Simulation engineering	<input type="checkbox"/>
Mathematical analysis	<input type="checkbox"/>	Sound engineering	<input type="checkbox"/>
Probability	<input type="checkbox"/>	Surveying engineering	<input type="checkbox"/>
Statistics	<input type="checkbox"/>	Systems engineering	<input type="checkbox"/>
Mathematical logic	<input type="checkbox"/>		
Number theory	<input type="checkbox"/>	<b>Physics</b>	<input type="checkbox"/>
		Quantum mechanics	<input type="checkbox"/>
<b>Technology</b>	<input type="checkbox"/>	Relativity	<input type="checkbox"/>
Chemical technology	<input type="checkbox"/>	Solid state physics	<input type="checkbox"/>
Energy technology	<input type="checkbox"/>	Neutron physics	<input type="checkbox"/>
Environmental technology	<input type="checkbox"/>	Electronic physics	<input type="checkbox"/>
Future technology	<input checked="" type="checkbox"/>	Mathematical physics	<input type="checkbox"/>
Electrical technology	<input type="checkbox"/>	Metrology	<input type="checkbox"/>
Dating techniques	<input type="checkbox"/>	Statics	<input type="checkbox"/>
Communication technology	<input type="checkbox"/>	Statistical physics	<input type="checkbox"/>
Computer technology	<input checked="" type="checkbox"/>	Surface physics	<input type="checkbox"/>
Construction technology	<input type="checkbox"/>	Thermodynamics	<input type="checkbox"/>
Graphic techniques	<input type="checkbox"/>	Electromagnetism	<input type="checkbox"/>
High vacuum technology	<input type="checkbox"/>	Optics	<input type="checkbox"/>
Space technology	<input type="checkbox"/>	Condensed matter properties	<input type="checkbox"/>
Standardization of technologies	<input type="checkbox"/>	Acoustics	<input type="checkbox"/>
Telecommunications technology	<input type="checkbox"/>	Classical mechanics	<input type="checkbox"/>
Sound technology	<input type="checkbox"/>	Computational physics	<input type="checkbox"/>
Safety technology	<input type="checkbox"/>	Chemical physics	<input type="checkbox"/>
Production technology	<input type="checkbox"/>	Biophysics	<input type="checkbox"/>
Quantum technology	<input type="checkbox"/>	Applied physics	<input type="checkbox"/>
Remote sensing	<input type="checkbox"/>		
Transport technology	<input type="checkbox"/>	<b>Medical sciences</b>	<input type="checkbox"/>
Vacuum technology	<input type="checkbox"/>		
Water technology	<input type="checkbox"/>	<b>Political sciences</b>	<input type="checkbox"/>
Knowledge technology	<input checked="" type="checkbox"/>	Science and society	<input type="checkbox"/>
Laboratory technology	<input type="checkbox"/>	Policy studies	<input type="checkbox"/>
Marine technology	<input type="checkbox"/>	Public awareness of science	<input type="checkbox"/>
Internet technology	<input type="checkbox"/>	Public policy	<input type="checkbox"/>
Interface technology	<input type="checkbox"/>		
Industrial technology	<input type="checkbox"/>	<b>Sociology</b>	<input type="checkbox"/>
Information technology	<input checked="" type="checkbox"/>	Sociology of enterprise	<input type="checkbox"/>
Instrumentation technology	<input type="checkbox"/>	Social shaping of technology	<input type="checkbox"/>

Materials technology	<input type="checkbox"/>		
Measurement technology	<input type="checkbox"/>		
Nanotechnology	<input type="checkbox"/>		
Nuclear technology	<input type="checkbox"/>		
Optronics	<input type="checkbox"/>		
Mining	<input type="checkbox"/>		
Military technology	<input type="checkbox"/>		
Medical technology	<input type="checkbox"/>		
Micro-technology	<input type="checkbox"/>		