

**Job information – Associate Professor (civil), 13<sup>th</sup> position.**

University	Military Technical Academy „Ferdinand I” of Bucharest		
Faculty	Faculty of Communications and Electronic Systems for Defense and Security		
Department	Department of Communications and Information Technology		
Position in the job title list	<b>13</b>		
Role	<b>Associate Professor (civil)</b>		
Courses from the teaching plan	<ul style="list-style-type: none"> <li>- Equipments for special communications</li> <li>- Television</li> <li>- Microcontrollers</li> </ul>		
Scientific Area	Electronic engineering, telecommunications, and informational technologies		
Job description	<p><b>Associate Professor (civil), 13<sup>h</sup> position</b> – The position holder has the role to carry out teaching, research, and student coordination activities in the university community according to the job sheet. Courses: Equipments for special communications, Television, Microcontrollers.</p>		
Related duties/ activities	Carrying out scientific and teaching activities according to the established teaching load; performing scientific research activities; counsels the students/ course members; participates at the curricular projection in his expertise domain; realizes extra-curricular activities.		
Minimum management salary	Lei		
Competition calendar			
Publication announcement date in the Official Monitor	30.04.2024		
Registration period	Begin	End	
	30.04.2024	02.08.2024	
Lecture date	10.09.2024		
Lecture hour	12:00		
Lecture place	Military Technical Academy „Ferdinand I”, Pav. L, Room L1-074		
Examination period	Begin	End	
	02.09.2024	11.09.2024	
Results communication period	Begin	End	
	12.09.2024	12.09.2024	
Results appeal period	Begin	End	
	13.09.2024	17.09.2024	

Job application contest topics	<p>Topics:</p> <p>Tactical-technical characteristics of military radio transceivers. Modern hardware-software technologies used in special communication equipments. Baseband AV signals. Transmission of information in TV, CATV, CCTV systems. Color coding in television. The control microprocessor in TV receivers. Basic architecture of PIC16Fx microcontrollers. The instruction set. Special registers. Watchdog. Interruption technique. Programming in assembly language.</p> <p>Bibliography:</p> <p>[1] C. Bălan – Tehnica radiocomunicațiilor, Editura ATM, 2009.  [2] C. Mincu, V. Greu, C. Rotariu – Salt de frecvență și kontrasalt de frecvență, Editura Militara, 1998.  [3] G. Nicolae, E. L. Miron, - Televiziune. Analog, Digital, Înaltă definiție și 3D, Editura AFT, 2016.  [4] C. Toma, F. Alexa, R. Vasiiu – Principiile televiziunii analogice și digitale, Editura Politehnica Timișoara, 2006.  [5] Ș. Naicu, I. Tache – Receptoare modern pentru TV în culori, Editura ALL, 1998.  [6] F. Dragomir, O. E. Dragomir - Programarea în limbaj de asamblare a microcontrolerelor, Editura Matrix ROM, 2013.  [7] T. Schoussek - The Art of Assembly Language Programming Using PIC Technology: Core Fundamentals, Newnes, 2018.</p>
Job application contest procedure	<p>In conformity with HG1339/2023 and with the Methodology for filling the teaching and research vacancies validated by the Military Technical Academy „Ferdinand I” Senate from 29.02.2024. Competition file analysis, public lecture in front of the contest commission and presenting the most significant professional results and academic career development plan, from both teaching and scientific research activities point of view.</p>
Documents list	<p>In conformity with HG1339/2023 and with the Methodology for filling the teaching and research vacancies validated by the Military Technical Academy „Ferdinand I” Senate from 29.02.2024.</p>
Address for the job applications	<p>Military Technical Academy „Ferdinand I”, George Coșbuc Blvd., No. 39-49, Sector 5, Bucharest, Postal code 050141</p>

#### Committee:

President:	Assoc.Prof.Eng. Cristian-Iulian RÎNCU Ph.D., Military Technical Academy „Ferdinand I”
Members:	<p>Prof.Eng. Ciprian RĂCUCIU Ph.D., University „Titu Maiorescu”, Bucharest  Assoc.Prof.Eng. Iosif PRAOVEANU Ph.D., University „Titu Maiorescu”, Bucharest  Assoc.Prof.Eng. Vasile-Gabriel IANA Ph.D., National University of Science and Technology Politehnica Bucharest  Assoc.Prof.Eng. Adrian-Ionuț RADU Ph.D., Military Technical Academy „Ferdinand I”  Assoc.Prof.Eng. Eduard-Cristian POPOVICI Ph.D., National University of Science and Technology Politehnica Bucharest, deputy member</p>

	Assoc.Prof.Eng.Ştefan TOMA Ph.D., Military Technical Academy „Ferdinand I”, deputy member
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**Appeal Committee:**

President:	Assoc.Prof.Eng. Florin-Roman ENACHE Ph.D., Military Technical Academy „Ferdinand I”
Members:	<p>Prof.Eng. Mihnea UDREA Ph.D., National University of Science and Technology Politehnica Bucharest</p> <p>Prof.Eng. Simona HALUNGA Ph.D., National University of Science and Technology Politehnica Bucharest</p> <p>Prof.Eng. Ioan NICOLAESCU Ph.D., Military Technical Academy „Ferdinand I”</p> <p>Assoc.Prof.Eng. Alexandru RUSU CASANDRA Ph.D., National University of Science and Technology Politehnica Bucharest</p> <p>Assoc.Prof.Eng. Octaviana DATCU Ph.D., National University of Science and Technology Politehnica Bucharest, deputy member</p> <p>Assoc.Prof.Eng. Lucian ANTON Ph.D., Military Technical Academy „Ferdinand I”, deputy member</p>