



## Ioana-Carmen Bogliș

**Data nașterii:** 12/10/1992 | **Cetățenie:** română | **Număr de telefon:**

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**Adresă:** Bulevardul Timisoara 25,Z3, 052068, București, România (Acasă)

### EXPERIENȚA PROFESIONALĂ

26/07/2015 – 12/2021 Bucharest, România

**OFIȚER SPECIALIST** ACADEMIA TEHNICA MILITARA „FERDINAND I”

Scientific Research  
Teaching activities

12/2021 – ÎN CURS Bucharest

**ȘEF DE LABORATOR ÎN CADRUL DEPARTAMENTULUI DE SISTEME INTEGRATE DE AVIAȚIE ȘI MECANICĂ**  
ACADEMIA TEHNICA MILITARA „FERDINAND I”

11/2020 – ÎN CURS Bucharest

**INGINER** ASTOS SOLUTIONS SRL

### EDUCAȚIE ȘI FORMARE PROFESIONALĂ

30/09/2017 – 09/2023 Bucharest

**DOCTOR** Universitatea Politehnica din Bucuresti

Automatic control of launching vehicle (adaptive control)

12/01/2020 – 16/01/2020

**ESA ACADEMY CONCURRENT ENGINEERING WORKSHOP**

part of the AOCS- Attitude Orbit Control System for a nano-satellite team

11/2017 – 06/06/2018

**MODUL PSIHOPEDAGOGIC NIVELUL II** National Defence University, Bucharest (Romania)

31/03/2017 – 01/06/2017

**MISIUNE ÎN BAZA 5 AERIANĂ DIN MONTE REAL, PORTUGALIA**

Training course on F-16 avionics maintenance procedures

01/2017 – 07/2017

**MODUL PSIHOPEDAGOGIC NIVELUL I** National Defence University, Bucharest (Romania)

30/09/2015 – ÎN CURS Bucuresti, România

**MASTER- INGINERIA SISTEMELOR AERONAUTICE** Academia Tehnică Militară „Ferdinand I”

Masters Thesis:

INTEGRATED SYSTEMS FOR DATA DISPLAY IN THE COCKPIT

30/09/2016 – 14/12/2016

**BURSA ERASMUS** Universidad del Pais Vasco, Bilbao (Spania)

Research topic: BLADE TIP TIMING AND TIP CLEARANCE

14/10/2015 – 30/12/2015

**PREGĂTIRE LA BAZA 90 TRANSPORT AERIAN, BUCUREȘTI**

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Training course on C-130(Hercules) and C-27J(Spartan) aircraft maintenance procedures

2010 – 2015 Bucharest, România

**STUDII UNIVERSITARE- DIPLOMĂ ÎN DOMENIUL DE STUDII: ECHIPAMENTE ȘI INSTALAȚII DE AVIAȚIE (ȘEF DE PROMOȚIE)** Academia Tehnică Militară „Ferdinand I”

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Main Courses: Aerodynamics, Aircrafts Construction, Propulsion Systems of Aircrafts, Aircrafts Board Equipment, Automatic Systems, Automatic Control of Aircrafts, Gyroscopic Systems, Radio-transmitting and Radio-receiving Systems, Radio Communication Systems, Air Navigation Systems, Radar Systems, Electronic Devices and Circuits, Electric Motors and Generators, Structure of Microcontrollers.

Softwares: Computer-aided Design CATIA, Circuit Simulation Software: ARDUINO, Programming Software: C++, MATLAB.

Diploma Project: DESIGN OF AN INTEGRATED SYSTEM FOR COLLECTION AND DISPLAY OF BOARD INFORMATION ON MULTIFUNCTIONAL DISPLAY M.F.D.

28/02/2014 – 31/05/2014

**BURSA ERASMUS** L’université de Pau et des Pays de l’Adour, Pau (France)

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Research topic: "La réalisation d'une commande déportée (éloignée) pour une alimentation haute tension du commerce"

2006 – 2011 Câmpulung Moldovenesc

**ABSOLVIRE LICEU** Colegiul Național Militar "Ștefan cel Mare"

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Real branch, Mathematics - Informatics

● **COMPETENȚE LINGVISTICE**

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Limbă(i) maternă(e): **ROMÂNĂ**

Altă limbă (Alte limbi):

	COMPREHENSIVNE		VORBIT		SCRIS
	Comprehensivne orală	Citit	Exprimare scrisă	Conversație	
<b>ENGLEZĂ</b>	C1	C1	B2	B2	B2
<b>FRANCEZĂ</b>	A2	B1	A2	A2	A2
<b>SPANIOLĂ</b>	B1	B1	A1	A2	A1

*Niveluri: A1 și A2 Utilizator de bază B1 și B2 Utilizator independent C1 și C2 Utilizator experimentat*

● **COMPETENȚE DIGITALE**

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Matlab modelling programming and simulating | Familiar with ANSYS CATIA Proteus | Good command in office suites (Word Excel Power Point)

● **PUBLICAȚII**

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**Publications**

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**Ioana-Carmen BOGLIȘ**, Anca BELEGA, and Andra NEGRU, *Comparative Analysis of Flight Control Systems for Launching Vehicles*, JOURNAL OF MILITARY TECHNOLOGY, Vol. 2, No. 1, ISSN: 2601-6613, Jun 2019, Bucharest, Romania

**Ioana-Carmen Boglis**, Adrian M. Stoica, *Model Reference Adaptive Control Design for the VEGA Launch Vehicle*, The 7th IEEE International Conference on E-Health and Bioengineering - EHB 2019 Grigore T. Popa University of Medicine and Pharmacy, Iasi, Romania, November 21-23, 2019

**Ioana-Carmen Boglis**, Adrian M. Stoica (2020), *Attenuation of the effects produced by the bending modes of a flexible launch vehicle using second order filters*, Technium: Romanian Journal of Applied Sciences and Technology, 2(1), 48-55.

**Ioana-Carmen Boglis**, *Adaptive control system: A robust multi model adaptive control for launching vehicles*, 71st International Astronautical Congress 2020 (accepted paper).

Andra TOFAN-NEGRU, Cristian BARBU, Amado STEFAN, **Ioana-Carmen BOGLIS**, *Analysis and characterization of additive manufacturing processes*, pp. 167-180, Volume 13 Issue 4/2021, INCAS BULLETIN, <https://doi.org/10.13111/2066-8201.2021.13.4.14>

Bianca-Gabriela Antofie, Cristian VIDAN, **Ioana-Carmen Boglis**, Ciprian-Marius Larco, Grigorie Teodor Lucian, *Wavelet denoising method for improving the accuracy of attitude determination in miniaturized space applications*, 2023, 27th International Conference on System Theory, Control and Computing (ICSTCC), Timisoara, Romania, 2023, pp. 42-49, doi: 10.1109/ICSTCC59206.2023.10308459.

Stefan-Mircea MUSTATA, Cristian VIDAN, Ciprian-Marius LARCO, **Carmen-Ioana BOGLIS**, Bianca-Gabriela ANTOFIE, *Overview of the technologies used in the fabrication of MEMS/NEMS actuators for space applications*, INCAS Bulletin, Volume 15, Issue 3/2023.

2024

## Cărți

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Casapu, M, **Bogliš**, I.-C, Constantin L, Mihăilă-Andres, M. *Principii de funcționare a motoarelor cu turbine cu gaze – Îndrumar de laborator*, Editura Academiei Tehnice Militare, București, 2024, ISBN 978-973-640-345-3.

## ● PERMIS DE CONDUCERE

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Permis de conducere: B

## ● CONFERINȚE ȘI SEMINARE

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### Conferences

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First Place - Students' International Conference "CERC 2012"- Military Technical Academy- Section: Foreign Languages

Participation -Students' International Conference "CERC 2012"- Military Technical Academy- Section: Technology

Second place - Students' International Conference "CERC 2013"- Military Technical Academy- Section: Foreign Languages

Participation -Students' International Conference "CERC 2015"- Military Technical Academy- Section: Electrical Engineering and Electronic Systems

## ● PROIECTE

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### Proiecte

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Director de proiect- "Development of a trajectory algorithm for the guidance system of self-directed missiles with high speed and precision"- Proiect PSCD, Ian-Dec 2017

Membu echipă- "Experimental platform for testing and evaluation of equipment and systems compatible with the communication standard MIL-STD-1553" – technical demonstrator, Martie 2019 – Decembrie 2021.

Director de proiect- „Satelit de mici dimensiuni pentru imagini de înaltă rezoluție”, Planul Sectorial de Cercetare-Dezvoltare al MapN, 2022

## ● COMPETENȚE DE MANAGEMENT ȘI CONDUCERE

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Main member (national representative) in AHWG Space (Ad-Hoc Working Group)- European Defence Agency

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## ● COMPETENȚE ORGANIZATORICE

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### Organisational skills

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- Strong sense of leadership;
- Highly organized;
- Dynamic;
- Excellent planning skills with great attention to detail and ability to prioritize work.

## ● COMPETENȚE DE COMUNICARE ȘI INTERPERSONALE

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### Communication and interpersonal skills

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- Thrive in a team environment and work well with others
- Enjoy working as a team member as well as independently
- Proficient in using technology to enhance data and information management
- Self-motivated, hard-working individual

## ● **COMPETITIONS**

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### **Competitions**

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Third place - National Mechanics Students Competition "Andrei G. Ioachimescu"-2013