

Europass Curriculum Vitae



Personal information

First name(s) / Surname(s) **Cristian, Constantin, MOLDER**

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Nationality Romanian

Date of birth May 20, 1977

Gender Male

Occupational field Research and education

Work experience

Dates	July 2016 onwards
Occupation or position held	Vice-dean for scientific research
Main activities and responsibilities	Scientific research planning Coordination of researchers in R&D programs Young researchers management Cooperation with similar research teams both civilian and defense
Name and address of employer	Faculty of Electronics and Computer Science, Military Technical Academy, 39-49 George Coșbuc blvd., sector 5, Bucharest, Romania Phone.: +40 (0) 21 335 46 60, E-mail: relatii publice@mta.ro , Website: www.mta.ro
Type of business or sector	Research and education
Dates	October 2013 onwards
Occupation or position held	Program coordinator of Master of Applied Electronics in Robotics for Security and Defense
Main activities and responsibilities	Master coordination Curricula management Lectures and laboratories - robotics and automation - embedded systems - command and control devices - robot vision - robot programming languages - graphical user interfaces
Name and address of employer	Faculty of Electronics and Computer Science, Military Technical Academy, 39-49 George Coșbuc blvd., sector 5, Bucharest, Romania Phone.: +40 (0) 21 335 46 60, E-mail: relatii publice@mta.ro , Website: www.mta.ro
Type of business or sector	Research and education

Dates	October 2010 onwards
Occupation or position held	Associate professor
Main activities and responsibilities	Lectures and laboratories: - robotics and automation - embedded systems - digital image processing - computer graphics - video surveillance systems - biometric systems
Name and address of employer	Faculty of Electronics and Computer Science, Military Technical Academy, 39-49 George Coșbuc blvd., sector 5, Bucharest, Romania Phone.: +40 (0) 21 335 46 60, E-mail: relatii publice@mta.ro, Website: www.mta.ro
Type of business or sector	Research and education
Dates	March 2007 – October 2010
Occupation or position held	Lecturer
Main activities and responsibilities	Lectures and laboratories: - computer graphics - high level programming languages - applied informatics - pattern recognition and decision fusion (master)
Name and address of employer	Faculty of Electronics and Computer Science, Military Technical Academy, 39-49 George Coșbuc blvd., sector 5, Bucharest, Romania Phone.: +40 (0) 21 335 46 60, E-mail: relatii publice@mta.ro, Website: www.mta.ro
Type of business or sector	Research and education
Dates	July 2004 – March 2007
Occupation or position held	Assistant professor
Main activities and responsibilities	Lectures and laboratories: - applied informatics - signals and systems - display systems
Name and address of employer	Faculty of Electronics and Computer Science, Military Technical Academy, 39-49 George Coșbuc blvd., sector 5, Bucharest, Romania Phone.: +40 (0) 21 335 46 60, E-mail: relatii publice@mta.ro, Website: www.mta.ro
Type of business or sector	Research and education
Dates	September 2000 – August 2002
Occupation or position held	Research assistant
Main activities and responsibilities	Scientific research in the fields of sonar signal processing, digital image processing, pattern recognition and expert systems
Name and address of employer	ENSTA Bretagne, 2 rue François Verny, 29806 Brest cedex 9, France Phone.: +33 (0) 2 98 34 88 00, Fax: +33 (0) 2 98 34 88 46, Website: http://www.ensta-bretagne.fr
Type of business or sector	Research and education
Education and training	
Dates	January 2015
Title of qualification awarded	3D Robotic Swarm Models for Visionair Integration (TNA Research Grant)
Principal subjects/occupational skills covered	- virtual reality, computer graphics - robot swarm
Name and type of organisation providing education and training	3DICC Laboratory, MTA Sztaki, Budapest, Hungary
Level in national or international classification	ISCED level 6

Dates	August 2014
Title of qualification awarded	FANUC training in robot vision applications design (ERASMUS LLP)
Principal subjects/occupational skills covered	- robot vision - camera calibration - iRVision programming
Name and type of organisation providing education and training	FANUC Robotics, Hungary
Level in national or international classification	ISCED level 6
Dates	October-December 2013
Title of qualification awarded	Graduation certificate in logistics
Principal subjects/occupational skills covered	- logistics
Name and type of organisation providing education and training	Military Technical Academy, Bucharest, Romania
Level in national or international classification	ISCED level 6
Dates	April 2013
Title of qualification awarded	FANUC industrial robot operator and programmer certification (ERASMUS LLP)
Principal subjects/occupational skills covered	- robot safety - industrial robot programming - robot programming languages - robot application design
Name and type of organisation providing education and training	FANUC Robotics, Hungary
Level in national or international classification	ISCED level 6
Dates	October-December 2011
Title of qualification awarded	Graduation certificate of electronic systems management
Principal subjects/occupational skills covered	- electronic systems management
Name and type of organisation providing education and training	Military Technical Academy
Level in national or international classification	ISCED level 6
Dates	October – December 2011
Title of qualification awarded	Graduation diploma – Management of electronic systems
Principal subjects/occupational skills covered	- management of electronic systems
Name and type of organisation providing education and training	Military Technical Academy
Level in national or international classification	ISCED level 6
Dates	2002 – 2008
Title of qualification awarded	PhD (<i>Scientific domain</i> : engineering, <i>Scientific field</i> : electronics and communications)

Principal subjects/occupational skills covered	- digital image processing - pattern recognition - artificial intelligence - sonar signal processing - advanced signal processing - high-level programming - OCR / ALPR
Name and type of organisation providing education and training	Military Technical Academy – Department of Military Electronic and Computer Systems
Level in national or international classification	ISCED level 6
Dates	March – October 2007
Title of qualification awarded	Graduation certificate – Psycho-pedagogy
Principal subjects/occupational skills covered	- pedagogy - didactics - educational techniques - scholar psychology
Name and type of organisation providing education and training	National Defense University “Carol I”, Bucharest, Romania
Level in national or international classification	ISCED level 6
Dates	March – June 2006
Title of qualification awarded	Graduation diploma - Maintenance of electronic systems
Principal subjects/occupational skills covered	- military units logistics - military electronic systems logistics - information management for radio systems - military legislation - modern techniques for early warning and electronic warfare systems
Name and type of organisation providing education and training	Military Technical Academy
Level in national or international classification	ISCED level 6
Dates	October 2003 – April 2004
Title of qualification awarded	Intensive course of German language for beginners
Principal subjects/occupational skills covered	STANAG 1/2 level
Name and type of organisation providing education and training	National Defense University “Carol I”, Bucharest, Romania – Dept. of foreign languages
Level in national or international classification	ISCED level 6
Dates	2000 – 2001
Title of qualification awarded	Master of Applied Sciences Domain: communications sciences and technologies
Principal subjects/occupational skills covered	- advanced signal and image processing - digital communications - pattern recognition and neural networks
Name and type of organisation providing education and training	Université de Bretagne Occidentale (UBO), Brest, Franța – Faculté de Sciences, Technologies, Santé
Level in national or international classification	ISCED level 6

Dates	1995 – 2000
Title of qualification awarded	Engineer diploma and Officer license Specialty: SAM radio-electronics
Principal subjects/occupational skills covered	- mathematics and calculus - assembly and high level programming - analog and digital signal processing - analog and digital integrated circuits - microprocessor architectures - automatic systems and control theory - sensors and actuators - radio emitters and receivers - electronic circuit design
Name and type of organisation providing education and training	Military Technical Academy – Department of Military Electronic and Computer Systems
Level in national or international classification	ISCED level 5B
Dates	1991 – 1995
Title of qualification awarded	Baccalaureate diploma Specialty: mathematics and physics
Principal subjects/occupational skills covered	- mathematics - physics - programming
Name and type of organisation providing education and training	“Costin D. Nenițescu” high school
Level in national or international classification	ISCED level 3
Personal skills and competences	
Mother tongue(s)	Romanian
Other language(s)	
Self-assessment	
European level	
English	
French	
German	
Social skills and competences	- Team work : I've been working in various types of teams from research teams to sport - Leading skills : I've lead the SAM university group for 5 years - Intercultural skills : I'm experienced working with team members of different cultures in Europe - High level of adaptability and high resistance to stress - High level of objectivity and exigency : long time working in research and teaching - Highly communicative, sociable, high level of humor
Organisational skills and competences	- Organizing and rigorous : working in the military field since 1995, during studies and onwards - High analysis and synthesis skills - Coordinator of the robotics club in the Military Technical Academy
Technical skills and competences	- Hardware and software design of embedded & robotics systems - Algorithm design of image processing, pattern recognition, computer vision - Design, simulation, and building of electronic circuits - Operation and programming of various robot systems

Computer skills and competences	- Competent with Microsoft Windows operating systems and Microsoft Office applications - Competent with text editing using the LaTeX language - Competent with design and simulation of electronic circuits in OrCAD and Proteus - Competent with programming high level applications in MATLAB - Competent with creating computer graphics applications in C and OpenGL - Competent with image processing in Corel Paint Shop Pro - Competent with vector design in CorelDRAW - Experienced internet user with Microsoft Internet Explorer, Mozilla Firefox and Google Chrome - Experienced in creating web pages with HTML and JavaScript
Artistic skills and competences	Esthetics skills: creating designs and promotional materials
Other skills and competences	- Member of NATO Group SAS-123/RTG - Futures Assessed alongside socio-Technical Evolutions - Scientific coordination of French cadets from Ecole de Saint-Cyr in scientific research scholarships - Electronics department ERAMUS coordinator - Member of the Military Electronic and Computer Systems Faculty Council - Member of the Senate of the Military Technical Academy - Member in the organizing committee of Communications conference from 2004 onwards - Organizer of the student scientific embedded systems & robotics national contest 2014 - Member of the AGIR (General Assembly of Romanian Engineers)
Driving licence	A
Additional information	PERSONAL INTERESTS Creating and painting models, learning about contemporary history, collecting stamps, numismatics, riding the motorcycle, listening to music, reading SF literature
Annexes	1. List of works