



**Europass
Curriculum Vitae**

Personal information

First name(s) / Surname(s) **MIHAIL-LIVIU COȘEREANU**
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E-mail lv.cosereanu@gmail.com
Nationality Romanian
Date of birth JUNE 11, 1960
Gender Male

**Desired employment /
Occupational field**

Work experience

	Dates
	SINCE 2007
	Researcher 1st degree
	Dates SINCE 2007
Occupation or position held	Lecturer
Main activities and responsibilities	Teacher
Name and address of employer	National Defence University "CAROL I"
Type of business or sector	Education activities
Dates	2017- present
Occupation or position held	Scientific Director
Main activities and Responsibilities	Research & Development
Name and address of employer	National institute for Aerospace Research "Elie Carafoli" Iuliu Maniu Bd. 220, Bucharest ROMANIA.
Dates	2005-2016
Occupation or position held	General Manager
Main activities and responsibilities	Management, Research & Development
Name and address of employer	Military Equipment and Technology Research Agency, Aeroportului Street, No. 16, CP 19 OP Bragadiru, 077025, Bucharest, Romania
Type of business or sector	Research & Development
Dates	2004-2005
Occupation or position held	Chief of Armament Test -Evaluation and Research Center, Bucharest, Romania
Main activities and responsibilities	Management, Engineering, Research & Development
Name and address of employer	Military Equipment and Technology Research Agency, Aeroportului Street, No. 16, CP 19 OP Bragadiru, 077025, Bucharest, Romania
Type of business or sector	Research & Development
Dates	2002-2004
Occupation or position held	Scientific Deputy of Armament Test -Evaluation and Research Center, Bucharest, Romania

Main activities and responsibilities	Scientific research management
Name and address of employer	Military Equipment and Technology Research Agency, Aeroportului Street, No. 16, CP 19 OP Bragadiru, 077025, Bucharest, Romania
Type of business or sector	Research &Development
Dates	1996-2002
Occupation or position held	Chief of Electronic War Division
Main activities and responsibilities	Management, Engineering, Research & Development
Name and address of employer	Military Equipment and Technology Research Agency, Aeroportului Street, No. 16, CP 19 OP Bragadiru, 077025, Bucharest, Romania
Type of business or sector	Research &Development
Dates	1989-1996
Occupation or position held	Scientific researcher
Main activities and responsibilities	Research team for infrared devices, lasers and optoelectronics
Name and address of employer	Military Equipment and Technology Research Agency, Aeroportului Street, No. 16, CP 19 OP BRAGADIRU, 077025, Bucharest, Romania
Type of business or sector	Research &Development
Dates	1988-1989
Occupation or position held	Physician engineer
Main activities and responsibilities	Research activities for titan powders and their components
Name and address of employer	Non-ferrous Metal Research Institute, Bucharest, Romania
Type of business or sector	Researcher Institute
Dates	1985-1988
Occupation or position held	Physician engineer
Main activities and responsibilities	Auditing, certification and evaluation activities for materials and arc welding seam quality
Name and address of employer	Drobeta Turnu Severin Building Yard, Romania
Type of business or sector	Industry
Education and training	
Dates	2003-2016
Title of qualification awarded	National Official
Principal subjects/occupational skills covered	Coordination of research national activity for panel System Concepts and Integration
Name and type of organisation providing education and training	SCI/RTA/NATO Panel
Dates	2007-2010
Title of qualification awarded	PhD, Information and military science
Principal subjects/occupational skills covered	Thesis: "Scientific research implication within the development of military products"
Name and type of organisation providing education and training	National Defence University "CAROL I"
Dates	Since 2005
Title of qualification awarded	Assessor
Principal subjects/occupational skills covered	Evaluation of projects

Name and type of organisation providing education and training

National Development and Innovation Research Plan

Dates

2004-2005

Title of qualification awarded

Management specialist

Principal subjects/occupational skills covered

Acquisitions Management Course

Name and type of organisation providing education and training

National Defense University, Bucharest, Romania

Dates

1993-2000

Title of qualification awarded

Ph. D, Optoelectronic

Principal subjects/occupational skills covered

Thesis: "CO2 plasma as laser active environment study"

Name and type of organisation providing education and training

University of Bucharest, Romania

Dates

1980-1985

Title of qualification awarded

Physician engineer

Principal subjects/occupational skills covered

Solid Physics and Lasers

Name and type of organisation providing education and training

Faculty of Physics, University of Bucharest, Romania

Personal skills and competences

Social skills and competences

- Intercultural skills: I am experienced at working in a NATO research project (involved over 5 countries)

Organisational skills and competences

Company top management for 26 years.

Member of the Commission for Doctrine, Military Manuals and Regulations of the Department for Armaments / MoD.

President of the international symposium of the Military Equipments and Technologies Research Agency, in 2006-2008.

National representative in the panel "Systems Concepts & Integration" of the Research & Technology Organization / NATO.

Silver medal in the "International Exhibition of Inventions, Scientific Research and Technologic Transfer", Thirteenth edition - 2008, for his *"Thermovision system used in determining air pollution combustible gas"*.

Gold medal in the "International Exhibition of Inventions, Scientific Research and Technology Transfer", Fourteenth Edition - 2011, for his *"Multi-sensor system for monitoring biological parameters"*.

- I am professor to National University of Defense „Carol I”, Bucharest

Technical skills and competences	<p>Research on developing technologies for the thermal imagery and laser systems;</p> <p>Research on smart nanolayers materials adaptable to the environment;</p> <p>Techniques and technologies for multispectral image processing;</p> <p>Research techniques and technologies of heat transfer phenomenon, especially in adaptive camouflage;</p> <p>Design techniques of laser rangefinders;</p> <p>Techniques and procedures to obtain laser radiation with $\lambda = 1.54$ mm, laser radiation with $\lambda = 1.06$ mm using Raman conversion;</p> <p>Designing and implementation technologies of laser systems;</p> <p>Mathematical foundation of an algorithm on smart materials adaptability;</p> <p>Mathematical methods of heat transfer for the material adaptability to the environment;</p> <p>Mathematical methods for assessment of thermal imager and multi-sensor systems;</p> <p>Mathematical methods to limit optical noise for the receiver using interferential filters instead of diffraction filters;</p> <p>Optical characterization methods for silicium in order to obtain the optical focus information system in IR for the detector.</p>
Computer skills and competences	solid knowledge of DOS, WINDOWS, Microsoft Office, CorelDraw, Microsoft Project, AutoCad, MathCad, Mathematica
Artistic skills and competences	
Other skills and competences	
Driving licence	Driving licence: class B
Additional information	<p>Member of Optoelectronic Romanian Society;</p> <p>Member of the Advisory Board for Research, Development and Innovation;</p> <p>Member of the ARACIS Employees Commission;</p> <p>AFCEA General President (Armed Forces Communications and Electronics Association – Romanian section);</p> <p>Member of the Academy of Romanian Scientists.</p>



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