

Europass Curriculum Vitae



Personal information

First name(s) / Surname(s) **ALEXEI Adrian - Mihai**
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E-mail alexei_adrian@hotmail.com
Nationality Romanian
Date of birth 07.10.1972
Gender Male

Work experience

<p>Dates</p> <p>Occupation or position held</p> <p>Main activities and responsibilities</p>	<p>09.2010 – present</p> <p>Scientific Researcher II. Head of Aerospace Information Systems</p> <p>Managing activities for all 26 members of the Section. Managing research projects. Working also as member in different research teams involved in Defense and Civil Research Project. Managing and participation to joint research teams for developing dedicated software applications for the armed forces. Member of the Scientific Council of the Armaments Test and Evaluation Scientific Research Center. Design and implementation of a geospatial database (data processing through GIS and remote sensing). Design and implementation in the field of UAV (command and control software; hardware and software for autopilot)</p>
<p>Name and address of employer</p> <p>Type of business or sector</p>	<p>Military Equipments and Technologies Research Agency</p> <p>Scientific Research. Defense and Security.</p>
<p>Dates</p> <p>Occupation or position held</p> <p>Main activities and responsibilities</p>	<p>10.2007 – present</p> <p>Associate Professor</p> <p>Teaching activities. To introduce new engineering students to the field of geodesy, cartography, GIS and developing dedicated software.</p>
<p>Name and address of employer</p> <p>Type of business or sector</p>	<p>Military Technical Academy, Bucharest</p> <p>Education</p>
<p>Dates</p> <p>Occupation or position held</p> <p>Main activities and responsibilities</p>	<p>09.2008 – 09.2010</p> <p>Scientific Researcher II. Project Manager.</p> <p>Managing research projects. Working also as member in different research teams involved in Defense and Civil Research Project.</p>
<p>Name and address of employer</p> <p>Type of business or sector</p>	<p>Military Equipments and Technologies Research Agency</p> <p>Scientific Research. Defense and Security.</p>
<p>Dates</p> <p>Occupation or position held</p> <p>Main activities and responsibilities</p>	<p>04.2004 – 08.2008</p> <p>Scientific Researcher III. Project Manager.</p> <p>Managing research projects. Working also as member in different research teams involved in Defense and Civil Research Project.</p>
<p>Name and address of employer</p> <p>Type of business or sector</p>	<p>Military Equipments and Technologies Research Agency</p> <p>Scientific Research. Defense and Security.</p>

Dates 05.1998 – 03.2004
Occupation or position held Scientific Researcher.
Main activities and responsibilities Working as member in different research teams involved in Defense and Civil Research Project.
Name and address of employer Military Equipments and Technologies Research Agency
Type of business or sector Scientific Research. Defense and Security.

Dates 05.1997 – 04.1998
Occupation or position held Scientific Researcher.
Main activities and responsibilities Working in different research teams involved in Defense Research Project.
Name and address of employer Military Topographical Department
Type of business or sector Scientific Research. Defense and Security.

Education and training

Dates 12.1999 – 06.2007
Title of qualification awarded Doctor of Philosophy
Principal subjects/occupational skills covered Thesis Title: "Contributions on semiautomatic digital cartographic data collection"
Name and type of organization providing education and training Military Technical Academy

Dates 02.2011
Title of qualification awarded Certificate of Achievement
Principal subjects/occupational skills covered Algorithms for aerospace image interpretation
Name and type of organization providing education and training GEO ARC

Dates 09.2010
Title of qualification awarded Certificate of Achievement
Principal subjects/occupational skills covered Aerospace image processing
Name and type of organization providing education and training GEO ARC

Dates 08.2007
Title of qualification awarded Certificate of Achievement
Principal subjects/occupational skills covered Modeling languages for spatial data
Name and type of organization providing education and training C&C Topoexim

Dates 10.2006
Title of qualification awarded Graduation Certificate
Principal subjects/occupational skills covered Network security
Name and type of organization providing education and training Military Technical Academy

Dates 03.2006
Title of qualification awarded Certificate
Principal subjects/occupational skills covered NATO-RTA Training Course - Remote Sensing and Geographic Information Systems for Integrated Marine-Coastal Management
Name and type of organization providing education and training NATO Agreed Specialist, Bucharest, Romania

Dates	06.2005
Title of qualification awarded	Graduation Certificate
Principal subjects/occupational skills covered	Modeling software solutions using UML
Name and type of organization providing education and training	Informatics Preparation Centre
Dates	10.2003 – 12.2003
Title of qualification awarded	Graduation Certificate
Principal subjects/occupational skills covered	Technical systems management for diplomat engineer officers in the branch of “Artillery”
Name and type of organization providing education and training	Military Technical Academy
Dates	03.2003 – 04.2003
Title of qualification awarded	Graduation Certificate
Principal subjects/occupational skills covered	Oracle Database Introduction
Name and type of organization providing education and training	RomSys
Dates	09.2001
Title of qualification awarded	Graduation Certificate
Principal subjects/occupational skills covered	Lotus Domino R5
Name and type of organization providing education and training	SoftNet Development
Dates	07. 2001 – 08.2001
Title of qualification awarded	Graduation Certificate
Principal subjects/occupational skills covered	Aerospace Imagery Analysis for Military Operators Course
Name and type of organization providing education and training	Military Technical Academy / GDTA
Dates	11.2000
Title of qualification awarded	Graduation Certificate
Principal subjects/occupational skills covered	Object Oriented Programming
Name and type of organization providing education and training	Informatics Preparation Centre
Dates	09.2000
Title of qualification awarded	Graduation Certificate
Principal subjects/occupational skills covered	Unix
Name and type of organization providing education and training	Informatics Preparation Centre
Dates	03. 1999 – 07.1999
Title of qualification awarded	University Post Graduate Diploma
Principal subjects/occupational skills covered	Management for diplomat engineers officer in the branch of “Military Geographic Information Systems”
Name and type of organization providing education and training	Military Technical Academy

Dates 08.1991 – 05.1997
 Title of qualification awarded Bachelor of Science in Geodesy
 Principal subjects/occupational skills covered University Preparation
 Name and type of organization providing education and training Military Technical Academy

Personal skills and competences

Mother tongue(s) **Romanian**

Other language(s) **English**

Self-assessment
European level ()*

English

Understanding				Speaking				Writing	
Listening		Reading		Spoken interaction		Spoken production			
B2	Independent User	B2	Independent User	A2	Basic User	B1	Independent User	B1	Independent User

(*) [Common European Framework of Reference for Languages](#)

Social skills and competences Good team work and communication abilities.

Technical skills and competences Capable to understand phenomena and situations that have a technical character, specially the ones from UAV, Geographic Information Systems, Informatics and Mathematic fields regardless their character (theoretical or practical). Capable to learn and use any software in a short period of time.

Organizational skills and competences During my activities I contributed to the organization of different workshops, exhibitions and conferences

Computer skills and competences Programming competences: Delphi, C++, Assembler, Visual Basic, UML
 Microcontroller programming: ATmel, PIC
 GIS software's: ArcGIS, ArcGIS Server, Autocad Map
 Database software: Oracle, SQL Server
 Remote sensing software's: ERDAS 9, ENVI 4.2, Socet Set
 GPS software: Trimble Total Control, Pinnacle 1.0
 Competent with most Microsoft Office programmers

Other skills and competences Mathematical algorithms, programming algorithms, ability to programming

Driving license Romanian drivers license. Category B and C vehicles.

Additional information

Reference available on request

- over 45 research programs and grants (Managing 20 research projects)
- 37 papers presented at national and international conferences and symposiums
- 15 articles published in national and international scientific magazines
- 1 books published in Romania