



Personal Information

First Name / Last Name **Ștefan Dan STOICA**
Address Bragadiru, Ilfov
Phone number Mobil: +40 0742140234
E-mail dstoica@acttm.ro
Nationality Romanian
Birth date 10.02.1984
Sex Male

Professional experience

Date 2007 – 2009
Occupation/Position Research assistant
Main activities/responsibilities Military scientific research project responsible and team member, CIS testing and evaluation, Product homologations, Electromagnetic compatibility measurements, Software simulations
Employer's name Military Equipment and Technologies Research Agency
Business/Sector Military research and development
Date 2009 - 2019
Occupation/Position Head of Laboratory (Scientific Researcher), Scientific Researcher III (2011)
Main activities/responsibilities Resources/activities management, Quality management systems implementation, Personnel training, R&D project management, Software simulations
Employer's name Military Equipment and Technologies Research Agency
Business/Sector Military research and development
Date 2019 - 2021
Occupation/Position Head of Section
Main activities/responsibilities Resources/activities management, Processes optimization, Laboratories accreditation process management, R&D project management, testing and evaluation, Digital processes framework development
Employer's name Military Equipment and Technologies Research Agency
Business/Sector Military research and development
Date 2022 - present
Occupation/Position Scientific deputy of Research Centre
Main activities/responsibilities R&D projects/programs management, resources planning/budgeting, digital transformation, quality assurance, organization strategy development and implementation, human resource development, projects funding
Employer's name Military Equipment and Technologies Research Agency

Business/Sector Military research and development

Education and Training

Date	2019
Qualification award	Graduation Diploma of “Defense Resources planning, programming and budgeting” course
Subjects covered / professional skills acquired	Informational resources management, informational process management, informational environment definition, management communication skills, defense planning, major programs management
Education/training organization	DRESMARA - Departamentul regional de studii pentru managementul resurselor de aparare, Romania
Date	2017
Qualification award	Graduation Diploma of “Projects and programs management” course
Subjects covered / professional skills acquired	Scientific management concepts and methods, manager responsibilities, management communication, management tools and techniques, project management software, national/international programs funding
Education/training organization	DRESMARA - Departamentul regional de studii pentru managementul resurselor de aparare, Romania
Date	2013 - 2014
Qualification award	Graduation Diploma of “Security systems designer” course
Subjects covered / professional skills acquired	Sensors technologies, security standards and regulations, security design solutions, design software, security risk analysis, system integration
Education/training organization	ARTS – Asociația Română pentru Tehnică de Securitate, Romania
Date	2010
Qualification award	Training certificate TEMPEST Zoning course
Subjects covered / professional skills acquired	TEMPEST zoning standards, testing and evaluation methods/procedures, instrumentation and software, data interpretation/report
Education/training organization	INFOSEC - UE
Date	2009
Qualification award	Training certificate TEMPEST Evaluation course
Subjects covered / professional skills acquired	Preparing testing and evaluation documents, testing and evaluation methods/procedures, signal processing, software tools and instrumentation, TEMPEST vulnerability assessment
Education/training organization	UEKAE-Tubitak, Turcia
Date	2002 – 2007
Qualification award	Bachelor’s degree
Subjects covered / professional skills acquired	Communication and Informatics Engineering
Education/training organization	Military Technical Academy

Personal skills

Mother tongue Romanian

Other languages

Self-evaluation

European level (*)

English	Understanding		Speaking		Writing		
	Listening	Reading	Spoken interaction	Spoken production	Written expression		
C1	Experimented user	C1	Experimented user	B2	Experimented user	C1	Experimented user

French

B1 Independent user B1 Independent user A2 Independent user A2 Independent user B1 Independent user

Communication skills Individual/team communication strategies, negotiation, brainstorming, effective presentations

Organisational / managerial skills Leadership (strategic thinking, empathy, active listening, people motivation, mentoring), Organisation and delegation, problem solving

Job-related skills R&D Program/projects management, MoD Technical Assistance, Process automation and digitalization, Quality assurance, Testing and evaluation, Local training,

Digital skills Programming: C/C++, VBA, Verilog
Simulation software: Ansys HFSS, Matlab, MathCad, Altium Designer
Database software: Microsoft Access/Power BI, MySQL
OS/Other software: Windows, Linux, Scenario Flex, EMC32, GNU radio

Other skills Reading, Chess, Electronics, Football

Driving License B, C, E (since 2006)

Other Information

- Published papers**
- [1] Cazanaru, D.; Szilagyi, A.; **Stoica, D-S** - Shielding screen design optimization - COMM 2010 Conference Proceedings, ISBN 978-1-4244-6360-2, **WOS**:000299870700058;
 - [2] Nicolaescu, I.; **Stoica, D** - Smart antennas for wireless communications systems – IceCOMM 2010 Conference Proceedings, ISBN 978-1-61284-998-0,
 - [3] Andrei Szilagyi, **Dan-Stefan Stoica**, Alexandru Barbu, Daniela Cazanaru - Signal Processing in non-communications electronic warfare receivers, MatrixROM editure, ISBN 978-973-755-664-6, 2010.
 - [4] **Stoica D.**, Farcaş A., Mazăre Petru - Information technology equipments vulnerabilities in compromising information through compromising transmissions equipments - The 40-th International Scientific Symposium of METRA, ISSN 2069-1157
 - [5] **Stoica D.**, Enache M., Stoica A. - Radiated emissions measurements for establishing electrical equipments electromagnetic profiles, The 8th international workshop of electromagnetic compatibility, CEM 2012, Brasov, Romania
 - [6] Boteanu A., Enache M., **Stoica D.**, Ploşniţă A. -Electromagnetic shielding performance study of various types of metallic materials, Revista Tehnică Militară, nr. 1/2014, ISSN 1782-7321
 - [7] Boteanu A., Enache M., **Stoica D.**, - Electromagnetic shielding enclosure built on metallic lightweight structure for aerospace *EMI* protection applications – Experimental tests and numerical simulation, International Journal of Structural Integrity (IJSI 2014)
 - [8] **Stoica D.**, Enache M., Boteanu A., Stoica A., - Signals sources recognition based on equipments electromagnetic emissions signature, Communications (COMM) 2014 10 th International Conference, Bucharest, 29-31 may, 2014, DOI:[10.1109/ICComm.2014.6866705](https://doi.org/10.1109/ICComm.2014.6866705), **WOS**:000345844600049
 - [9] Boteanu A., **Stoica D.**, Enache M., Ploşniţă A., - Numerical and experimental simulation of shielding materials, Conferința Științifică și Întâlnirea Utilizatorilor – „High Performance Engineering Solutions 2014” organizată de

INAS:, cod ISBN 978-973-0-16952-2.

- [10] M. Enache, **D. Stoica** and A. Szilagyi, "Lightweight materials optimization for EMI protection applications," 2014 10th International Conference on Communications (COMM), Bucharest, Romania, 2014, pp. 1-4, doi: 10.1109/ICComm.2014.6866710 **WOS**:000345844600054
- [11] **Stoica D.**, Enache M., Boteanu A., Ploşniţă A., - Influence of the Interconnecting CaBLEs on Equipments Electromagnetic emissions Spectrum, The 17th International Conference of Scientific Papers International Conference of scientific Paper- AFACES 2015, Vol I, p 341., ISSN-L:2247-3173.
- [12] **Stoica D.**, Coşereanu L., Enache M., Ploşniţă A.- - Technical aspects regarding electromagnetic compatibility compliance of the electric and electronic integrated systems, IFAC Conferences & Symposia, Craiova 2016, Annals of the University of Craiova, Electrical Engineering series No. 40, p 168, 2016; ISSN 1842-4805
- [13] **Stoica D.**, Coşereanu L., Enache M., Ploşniţă A.- Electromagnetic Shielding System for Information and Communication Equipment, IFAC Conferences & Symposia, Craiova 2016, Annals of the University of Craiova, Electrical Engineering series, p, 173 No. 40, 2016; ISSN 1842-4805
- [14] **Stoica D.**, Ploşniţă A., Stoica A., Mazăre P., - Considerations regarding military electronic systems electromagnetic environmental effects (E3) threats and vulnerabilities, Revista Tehnică Militară, nr. 1/2018, ISSN 1582-7321
- [15] Mircea Nicolaescu, **Dan Stoica** : Two PCB Traces Coupling Analysis, Conferinta:13th International Conference on Communications (COMM), 18-20 Iunie 2020, Bucuresti, Publicatie IEEE, ISBN: 978-1-7281-5611-8, doi: 10.1109/COMM48946.2020.9141984, **WOS**:000612723900080.
- [16] Epure C., Zecheru T., Lazaroaie C., Iorga O. ; **Stoica D.**: Composite Materials for Passive Antiradar Camouflage, Materiale Plastice, ISSN 0025-528 , DOI: [10.37358/Mat.Plust.1964](https://doi.org/10.37358/Mat.Plust.1964), **WOS**:000579451200002
- [17] **Stoica D.**, Monda V., Enache M., Experimental measurements of radar absorbing materials in semi anechoic chambers, 2022 International Conference and Exposition on Electrical And Power Engineering (EPE), DOI: 10.1109/EPE56121.2022.9959738
- [18] Monda V.; **Stoica D.**; Enache M.; Bechet P., High Gain Patch Antenna Array for Biomedical Applications, 2022 International Conference and Exposition on Electrical And Power Engineering (EPE), DOI: 10.1109/EPE56121.2022.9959807
- [19] **Stoica D.**, Nicolaescu I., Moise A., *Electromagnetic Coupling Analysis in Printed Circuit Boards: A Comparative Study Using Matlab and Ansys HFSS Simulations*, 2024 Journal of Military Technology, ISSN: 2601-6613, accepted
- [20] **Stoica D.**, Nicolaescu I., Moise A., *EMC Measurement Techniques for Printed Circuit Boards: Pre-Compliance and Practical Applications*, 2024 Journal of Military Technology, ISSN: 2601-6613, accepted