



**Curriculum vitae
Europass**

Personal information

First name, Surname **Daniela Enciu**
E-mail enciu.daniela@incas.ro
Nationality Romanian
Date of birth

Work experience

Interval	Position
Since 01.12.2018	Research Scientist III - CS III
01.12.2016 – 01.12.2018	Research Scientist - CS
05.11.2013 – 01.12.2016	Research Assistant - AC
01.09.2012 – 01.11.2013	Mathematics Teacher

Name and address of employer **National Institute for Aerospace Research "Elie Carafoli" – INCAS, Bucharest**
Bld. Iuliu Maniu, no. 220, sector 6, postal code 061126, Bucharest, Romania
Department Systems
Unit Mechatronics
Sector Research & Development

Research interest **structural health monitoring, control theory, smart materials, applied mathematics, microscopy, air quality forecast, nanostructures, sensors, optical fibres**

Activities and responsibilities

- ◆ mathematical models elaboration for the foundation of SHM (Structural Health Monitoring) methodology based on active PWAS, FBG optical sensors, and nanosensors
- ◆ development of Matlab codes capable of identifying mechanical defects by differentiating them from false defects induced by environmental factors
- ◆ development of a mathematical model for vibration control on elastic wing model
- ◆ elaboration of a mathematical model for monitoring the concentration of pollutants in the air; responsible for the stages in the projects
- ◆ managerial responsibilities in NUCLEU project as a project director
- ◆ managerial activities as SHM Laboratory responsible
- ◆ task leader in STAR Space SHM Project, in NUCLEU projects, and in CONTUR project

Projects	#	Interval	Project
	1	2018-2021	Tehnologii emergente pentru contracararea efectelor induse de curgerile turbulente ale mediilor fluide (CONTUR) (Emerging technologies to counteract the effects induced by turbulent flows of fluid media), PN-III-P1-1.2-PCCDI-2017-0868 – proiect complex Proiectul component P2: Strategii emergente anti-turbulenta: teste in tunelul aerodynamic, 87PCCDI/31.03.2018 ♦ Project responsible
	2	2019-2020	Tehnologii SHM cu senzori distribuiti si algoritmi avansati de identificare a defectelor (SHM technologies based on distributed sensors and advanced algorithms for damage identification), Ctr. 8N/07.02.2019, PN 19-01-03-05 ♦ Project manager
	3	2018-2019	Sisteme mecatronice complexe pentru proceduri de recuperare a microlansatoarelor cu capabilități de monitorizare activa a stării de sănătate a structurii (Complex mechatronic systems for procedures of launching systems recovery with active structural health monitoring), Ctrct. No. 18N/2018, PN 18 01 02 01 ♦ Project co-manager
	4	2017-2018	Real time SMART application for urban air quality management respecting the SENSitivE categories of population (SMARTSENSE) , PN-III-CERC-CO-PED-2016 ♦ Task responsible
	5	2017-2019	Advanced air diffusion system of the crew quarters for the ISS and deep space habitation systems (QUEST) (Sistem îmbunatatit de distribuție a aerului în cabinele astronauților de pe stația spațiala internațională și în alte module locuibile din spațiul îndepărtat), STAR-CDI-C3-2016-577 ♦ Task Responsible
	6	2016-2017	Tehnologii moderne de monitorizare a stării de sanatare a structurilor aerospatiale (Modern technologies for structural health monitoring of aerospace structures), PN-16-38-03-01, Contract 30 N/14.03.2016 ♦ Project responsible
	7	2014-2017	Antiflutter demonstrator with piezoelectric actuation (AFDPA) , Contract 289/2014 for the project PN-II-PT-PCCA-2013 ♦ Task responsible
	8	2012-2015	Structural health monitoring in spacecraft structures using piezoelectric wafer active sensors (Space SHM) , STAR ID 188 ♦ Project responsible
Patents			♦ D. Enciu, I. Ursu, M. Tudose, Procedeu complex de identificare online a defectelor mecanice în spectroscopia impedanței electromecanice, cu evitarea diagnozelor false (Complex process for on-line identification of mechanical faults in electromechanical impedance spectroscopy while preventing false diagnosis), RO131152B1/2017
Awards			♦ Gold medal for the patent no. RO131152B1/2017 awarded at the 46 th Edition of the International Invention Salon held at Geneva, Switzerland, 11-15 April 2018 ♦ Special prize from the Turkish Patent and Trademark Office for the patent no. RO131152B1/2017 awarded at the 46 th Edition of the International Invention Salon held at Geneva, Switzerland, 11-15 April 2018 ♦ “Caius Iacob” Prize awarded by the National Institute for Aerospace Research “Elie Carafoli” – INCAS Bucharest in partnership with the Institute of Mathematical Statistics and Applied Mathematics “Gheorghe Mihoc-Caius Iacob” of the Romanian Academy – ISMMA, October 2012, Bucharest, for the BSc. Thesis entitled Nanomecanica (Nanomechanics)

Reviewer
(12)

Nonlinear Dynamics (1)
Smart Materials and Structures Journal, IOP Publishing (3)
The 13th REHVA World Congress CLIMA 2019 (5)
Proc. of 6th CEAS Air & Space Conference 2017 (3)

Publications
(30)

ISI Journals – 6

1. D. Enciu, A. Halanay (2021) *Stability for a delayed switched nonlinear system of differential equations in a critical case*, **International Journal of Control**, <https://doi.org/10.1080/00207179.2020.1862423>, **IF 2.780**
2. I. Ursu, D. Enciu, G. Tecuceanu (2020) *Equilibrium stability of a nonlinear switching system with actuator delay*, **Journal of the Franklin Institute**, vol. 357, issue 6, pp. 3680-3701 <https://doi.org/10.1016/j.franklin.2020.02.035>, **IF 4.036**
3. D. Enciu, A. Halanay, I. Ursu (2018) *Delay differential equation models for mechano and electrohydraulic servomechanisms used in airplane flight control*, **UPB Scientific Bulletin, Series A**, vol. 80, Issue 3, pp 27-36, **IF 0.619**
4. D. Enciu, I. Ursu, A. Toader (2017) *New Results Concerning SHM Technology Qualification for Transfer on Space Vehicles*, **Structural Control and Health Monitoring**, vol. 24, issue 10, e1992, <https://doi.org/10.1002/stc.1992>, **IF 3.499**
5. I. Ursu, D. Enciu, A. Toader (2017) *Towards structural health monitoring of space vehicles*, **Aircraft Engineering and Aerospace Technology**, vol. 89, issue 6, pp. 920-927, <https://doi.org/10.1108/AEAT-07-2015-0173>, **IF 0.785**
6. C. Rugina, D. Enciu, M. Tudose (2015) *Numerical and experimental study of circular disc electromechanical impedance spectroscopy signature changes due to structural damage and sensor degradation*, **Structural Health Monitoring – An International Journal**, vol. 14, issue 6, pp. 663-681, <https://doi.org/10.1177/1475921715610927>, **IF 4.870**

ISI Proceedings – 2

7. I. Ursu, D. D. Ion Guta, D. Enciu, G. Tecuceanu, A. A. Radu (2018) *Flight envelope expansion based on active mitigation of flutter via a V-stack piezoelectric actuator*, IOP Conf. Series: Journal of Physics: Conf. Series, vol 1106, 012033, DOI:10.1088/1742-6596/1106/1/012033
8. D. Enciu, I. Ursu, G. Tecuceanu (2018) *Dealing with input delay and switching in electrohydraulic servomechanism mathematical model*, 5th International Conference on Control, Decision and Information Technologies (CoDIT), IEEE Xplore, pp. 713-718, DOI: 10.1109/CoDIT.2018.8394891, electronic ISSN: 2576-3555

Chapters – 1

9. I. Ursu, M. Tudose, D. Enciu (2018) *Qualification of PWAS-Based SHM Technology for Space Applications*, pp. 117-135, DOI: 10.5772/intechopen.78034, in **Structural Health Monitoring from Sensing to Processing**, ed. Magd Abdel Wahab, ISBN: 978-1-78923-788-7

International Databases Indexed Journals – 15

10. A. Dogeanu, I. Nastase, I. Ursu, D. Enciu, F. Bode, M. Sandu, C. Croitoru, S. Zaharia, G. Iana (2019) *Real time monitoring network demonstrator for air quality management*, 2019 International Conference on ENERGY and ENVIRONMENT (CIEM), Chapter Smart cities, Paper ID 139, 10.1109/CIEM46456.2019.8937625, IEEE Catalog Number: CFP19L60-ART, ISBN: 978-1-7281-1532-0
11. D. Enciu, I. Ursu, G. Tecuceanu, D. D. Ion Guta, A. Halanay, M. Tudose (2019) *Flight envelope expansion via piezoelectric actuation. Receptance method and time-delayed feedback control*, International Journal of Modeling and Optimization (IJMO), vol. 9, issue 6, pp. 317-321, DOI: 10.7763/IJMO.2019.V9.729
12. G. Tecuceanu, D. Enciu, I. Ursu (2019) *Equilibrium stability analysis by numerical simulations for a nonlinear system with time-delayed control*, INCAS Bulletin, vol. 11, issue 2, pp.179-193, DOI: 10.13111/2066-8201.2019.11.2.15
13. D. Enciu, I. Ursu, G. Tecuceanu (2019) *A problem of stabilization for the mathematical model of electrohydraulic servomechanism with control delay*, ARA Journal of Sciences, no.2, pp. 39-42, DOI: 10.14510/ARAJ.2019.4226

14. M. Tudose, D. Enciu, I. Ursu (2018) *Towards use of Fiber Bragg Grating sensors for structural health monitoring of (aero)space structures*, International Journal of Modeling and Optimization (IJMO), vol., 8, no. 4, pp. 246-249, ISSN: 2010-3697, DOI: 10.7763/IJMO.2018.V8.659
15. D. Enciu, A. Halanay, I. Ursu, G. Tecuceanu (2018) *An approach of control delay for electrohydraulic servomechanism*, Proc. of the 37th „Caius Iacob” Conference on Fluid Mechanics and its Technical Applications, pp. 45-48, ISSN 2067-4414
16. I. Nastase, I. Ursu, D. Enciu, V. Iordache, S. Zaharia, M. Gustiuc, C. Croitoru (2018) *Real Time Monitoring Network System for Urban Air Quality Management*, Proc. of COBEE 2018, pp.514-518, ISBN:978-0-646-98213-7
17. D. Enciu, M. Tudose, C. E. Munteanu, I. Ursu (2017) *Strain measurements using Fiber Bragg Grating sensors in Structural Health Monitoring*, INCAS Bulletin, vol. 9, issue 2, pp. 77-86, DOI: 10.13111/2066-8201.2017.9.2.6, ISSN 2066–8201
18. I. Ursu, D. D. Ion Guta, D. Enciu, A. Toader, M. Dan, C. Donciu, V. Turcan (2016) *Mathematical modeling of a V-stack piezoelectric aileron actuation*, INCAS Bulletin, vol. 8, issue 4, pp. 141-155, DOI: 10.13111/2066-8201.2016.8.4.12, ISSN 2066 – 8201
19. D. Enciu, I. Ursu, M. Tudose (2016) *Towards Space applications of SHM technology relied on EMIS method*, Proc. of EWSHM 2016, vol. 21, no. 8, pp. 2052-2057, ISSN 1435-4934, ISBN 9781510827936
20. A. Toader, I. Ursu, D. Enciu (2015) *New Advances in Space SHM Project*, INCAS Bulletin, vol. 7, issue 1, pp. 65-80, DOI: 10.13111/2066-8201.2015.7.1.7, ISSN 2066 – 8201
21. I. Ursu, A. Toader, D. Enciu, D. M. Stefanescu (2015) *Advanced measurements in Star Space Project on structural health monitoring*, Proc. of XXI IMEKO World Congress 2015, pp. 2084-2087, ISSN 9781510812925
22. D. Enciu, A. Toader, I. Ursu (2014) *Magnetic field nanosensor based on Mn impurities*, INCAS Bulletin, vol. 6, issue 2, pp. 51-60, DOI: 10.13111/2066-8201.2014.6.2.5, ISSN 2066 – 8201
23. D. Enciu, G. A. Nemnes, I. Ursu (2014) *Spintronic devices based on graphene nanoribbons with transition metal impurities. Towards space applications*, INCAS Bulletin, vol. 6, issue 1, pp. 45-56, DOI: 10.13111/2066-8201.2014.6.1.5, ISSN 2066 – 8201
24. D. Enciu, M. Tudose, B. Neculaescu, A. Toader, I. Ursu (2014) *Damage identification and damage metrics in SHM (structural health monitoring)*, Proc. of AEROSPATIAL 2014, pp. 349-364, ISSN 2067-8614

Other journals – 6

25. I. Ursu, M. Tudose, D. Enciu (2018) *Accolades for Research Excellence*, INCAS INSIDER, vol. 11, pp. 18-19
26. I. Ursu, M. Tudose, D. Enciu (2018) *Monitorizarea activa a structurilor*, Stiinta&Tehnica, vol. 76, pp. 78-81
27. D. Enciu (2017) *The 41st Congress of the American Romanian Academy of Arts and Sciences (ARA)*, INCAS INSIDER, vol. 9, pp. 53
28. D. Enciu (2017) *Disseminating our research findings on spacecraft structures at the ESA Workshop on Mechanism Testing and Health Monitoring*, INCAS INSIDER, vol. 8, pp. 37
29. I. Ursu, M. Tudose, D. Enciu (2017) *Health monitoring of aerospace structures using Fiber Bragg Grating and Carbon Nanotubes*, INCAS INSIDER, vol. 7, pp. 34
30. D. Enciu (2016) *INCAS presents its complex tests for spacecraft structures at EWSHM 2016*, INCAS INSIDER, vol. 6, pp. 32

Conferences (40)

Nationals – 10

1. D. Enciu, A. Halanay, I. Ursu, *On a Lyapunov-Krasovskii functional and the stability of the zero solution of a switched system of delay differential equations*, Scientific Seminar of Differential Equations, 23 May 2019, IMAR, Bucharest, Romania
2. D. Enciu*, A. Halanay, I. Ursu, *Equilibrium stability of a switched delay system with applications in engineering*, Scientific Seminar of Differential Equations, 17 January 2019, IMAR, Bucharest, Romania
3. D. Enciu*, I. Ursu, M. Tudose, *Complex method for online identification of mechanical damages using the electromechanical impedance spectroscopy, avoiding the false diagnosis – patent presentation*, INVENTIKA 2018, 10-13 October 2018, Bucharest, Romania

4. D. Enciu*, I. Ursu, D. D. Ion Guta, G. Tecuceanu A. A. Radu, *Application of piezoelectric materials for active flutter mitigation*, Annual Scientific Session, Faculty of Physics, 21 June 2018, Magurele, Ilfov, Romania
5. A. A. Radu, S. Stefan, D. Enciu, I. Ursu, *The clear air turbulence - an aviation hazard*, Annual Scientific Session, Faculty of Physics, 21 June 2018, Magurele, Ilfov, Romania
6. D. Enciu*, A. Halanay, I. Ursu, G. Tecuceanu, *Hydraulic servomechanisms with delay*, Scientific communication conference for PhD students, 25 May 2017, University Politehnica Bucharest, Romania
7. A. Zubarev, D. Enciu, I. D. Stamatina, *Complete simulation of spirographene electronic structures*, Annual Scientific Session, Faculty of Physics, 19 June 2015, Magurele, Ilfov, Romania
8. D. Enciu*, C. Nichita, G. A. Nemnes, *Chitosan Nanoparticles as Drug Delivery Systems*, Annual Scientific Session, Faculty of Physics, 19 June 2015, Magurele, Ilfov, Romania
9. D. Enciu*, *Structural Health Monitoring by EMI Method – Lab Measurements at LAMSS, USC*, 14 November 2014, INCAS, Bucharest, Romania
10. D. Enciu*, G. A. Nemnes, I. Ursu, *Spin filtering effects in graphene nanoribbons doped with Mn impurities*, Annual Scientific Session, Faculty of Physics, 20 June 2014, Magurele, Ilfov, Romania

Internationals – 30

11. I. Ursu, A. Toader, D. Enciu, G. Tecuceanu, *Equilibrium stability of a wing model with delay on switching control*, International Conference of Aerospace Sciences „AEROSPATIAL 2020”, 15-16 October 2020, INCAS, Bucharest, Romania
12. A. Dogeanu, I. Nastase, I. Ursu, D. Enciu, F. Bode, M. Sandu, C. Croitoru, S. Zaharia, G. Iana, *Real time monitoring network demonstrator for air quality management*, 2019 International Conference on Energy and Environment (CIEM), 17 – 18 October 2019, Timisoara, Romania
13. I. Ursu, A. Toader, G. Tecuceanu, D. Enciu, L. Tirlu, R. Diaconu, M. Arghir, D. D. Ion Guta, A. Halanay, *About active control synthesis for wing model in aerodynamic tunnel*, The 38th “Caius Iacob” Conference on Fluid Mechanics and its Technical Applications, 7-8 November 2019, INCAS, Bucharest, Romania
14. D. Enciu*, I. Ursu, G. Tecuceanu, D. D. Ion Guta, A. Halanay, M. Tudose, *Flight envelope expansion via piezoelectric actuation. Receptance method and time-delayed feedback control*, 2nd edition of the Space Launching Systems and the 14th edition of the International Conference on Design, Modeling and Optimization (SLS & OPTIROB 2019), 27 June - 1 July 2019, Jupiter, Constanta, Romania
15. D. Enciu, A. Halanay, A. A. Radu, M. Stoia-Djeska, G. Tecuceanu, I. Ursu, *Equilibrium stability of a 2-D wing with time delayed feedback control*, International Conference of Aerospace Sciences „AEROSPATIAL 2018”, 25-26 October 2018, INCAS, Bucharest, Romania
16. I. Ursu, D. D. Ion Guta, D. Enciu*, G. Tecuceanu, A. A. Radu, *Flight envelope expansion based on active mitigation of flutter via a V-stack piezoelectric actuator*, Modern Practice in Stress and Vibration Analysis (MPSVA 2018), 2 - 4 July 2018, Cambridge, UK
17. M. Tudose, D. Enciu*, I. Ursu, *Towards use of fiber Bragg grating sensors for structural health monitoring of (aero)space structures*, 1st edition of the Space Launching Systems and the 13th edition of the International Conference on Design, Modeling and Optimization (SLS & OPTIROB 2018), 28 June - 2 July 2018, Jupiter, Constanta, Romania
18. D. Enciu*, I. Ursu, G. Tecuceanu, *A problem of stabilization for the mathematical model of electrohydraulic servomechanism with control delay*, 42nd ARA Congress (American Romanian Academy of Arts and Sciences), 23-26 May 2018, Cluj-Napoca, Bucharest
19. D. Enciu*, G. Tecuceanu, I. Ursu, *Mathematical model of electrohydraulic servomechanism with control delay. Numerical simulations*, 6th International Workshop on Numerical Modelling in Aerospace Sciences (NMAS 2018), 16 – 17 May 2018, INCAS, Bucharest, Romania
20. D. Enciu*, I. Ursu, M. Tudose, *Complex method for online identification of mechanical damages using the electromechanical impedance spectroscopy, avoiding the false diagnosis – patent presentation*, 46th International Inventions Salon, 11-15 April 2018, Geneva, Switzerland
21. D. Enciu*, I. Ursu, G. Tecuceanu, *Dealing with input delay and switching in electrohydraulic servomechanism mathematical model*, 5th International Conference on Control, Decision and Information Technologies (CoDIT 2018), 10-13 April 2018, Thessaloniki, Greece
22. I. Nastase, I. Ursu, D. Enciu, V. Iordache, S. Zaharia, M. Gustiuc, C. Croitoru, *Real Time Monitoring Network System for Urban Air Quality Management*, 4th International Conference on Building Energy, Environment (COBEE 2018), 5-9 February 2018, Melbourne, Australia

23. D. Enciu*, A. Halanay, G. Tecuceanu, I. Ursu, *A predictive type approach of control delay for electrohydraulic servomechanism*, The 37th "Caius Iacob" Conference on Fluid Mechanics and its Technical Applications, 16-17 November 2017, INCAS, Bucharest, Romania
24. D. Enciu*, I. Ursu, M. Tudose, *Complex method for online identification of mechanical damages using the electromechanical impedance spectroscopy, avoiding the false diagnosis – patent presentation*, The Romanian Research Salon "Made in Romania" (Salonul Cercetarii Romanesti "Conceput in Romania"), 25-27 October 2017, Bucharest, Romania (+ poster)
25. D. Enciu*, I. Ursu, D. D. Ion Guta, G. Tecuceanu, A. G. Persinaru, I. Popescu, A. A. Cubillo, *Antiflutter Demonstrator with Piezoelectric Actuation*, The Romanian Research Salon "Made in Romania" (Salonul Cercetarii Romanesti "Conceput in Romania"), 25-27 October 2017, Bucharest, Romania (+ poster)
26. D. Enciu*, *Smart materials for space and aerospace applications*, 6th CEAS Air & Space Conference 2017, 16-20 October 2017, Bucharest, Romania (+ poster)
27. I. Ursu, D. D. Ion Guta, G. Tecuceanu, A. G. Persinaru, D. Enciu*, I. Popescu, C. Stoica, *System and method for flight envelope expansion via piezoelectric actuation*, 6th CEAS Air & Space Conference 2017, 16-20 October 2017, Bucharest, Romania
28. D. Enciu*, D. D. Ion Guta, G. Tecuceanu, M. Tudose, I. Ursu, *Piezo active sensors and piezo actuators for space and aerospace applications*, The 41st ARA Congress (American Romanian Academy of Arts and Sciences), 19-22 July 2017, Craiova, Romania, DOI: 10.13140/RG.2.2.15470.72000 (+ poster)
29. D. D. Ion Guta, I. Ursu, G. Tecuceanu, A. G. Persinaru, D. Enciu*, *A V-stack piezoelectric actuator for active mitigation of flutter – design and laboratory tests*, 5th International Workshop on Numerical Modelling in Aerospace Sciences, 17 – 18 May 2017, INCAS, Bucharest, Romania
30. D. Enciu*, I. Ursu, M. Tudose, *Structural Health Monitoring for Space Applications*, ESA Workshop on Mechanisms Testing and Health Monitoring, 29 March 2017, ESA/ESTEC, Noordwijk, The Netherlands
31. D. Enciu*, I. Ursu, *Tests on Piezoelectric Materials Qualification on Structural Health Monitoring of Space Vehicles*, International Conference on Advances in functional Materials – AFM 2016, 8 – 11 August 2016, Jeju, South Korea (+ poster)
32. D. Enciu*, I. Ursu, M. Tudose, *Towards Space applications of SHM technology relied on EMIS method*, 8th European Workshop on Structural Health Monitoring – EWSHM 2016, 5 – 8 July 2016, Bilbao, Spain (+ poster)
33. D. Enciu, A. Toader, I. Ursu, M. Tudose, *Structural Health Monitoring Validation for Space Vehicles*, International Astronautical Congress – IAC, 12 – 16 October 2015, Jerusalem, Israel
34. A. I. Chira, D. Enciu, C. E. Munteanu, M. Tudose, *Structural health monitoring of a CubeSat structure using piezoelectric wafer active sensors*, 7th European CubeSat Symposium, 9-11 September 2015, Liege, Belgium
35. R. Tamaian, C. Nichita, I. D. Stamatina, D. Enciu, *In silico modelling of the biodistribution of therapeutic immunoconjugates with thiazolic payload*, 9th Annual International Conference Elrig's Drug Discovery 2015, 2- 3 September, 2015, Telford, UK (+ poster)
36. I. Ursu, A. Toader, D. Enciu, D. M. Stefanescu, *Advanced measurements in star space project on structural health monitoring*, XXI IMEKO World Congress "Measurement in Research and Industry", August 30 – September 4, 2015, Prague, Czech Republic (+ poster)
37. D. Enciu*, A. Toader, M. Tudose, I. Ursu, *A thorough analysis of damages in Space SHM*, 3rd International Workshop on Numerical Modelling in Aerospace Sciences, „NMAS 2015”, 6-7 May 2015, INCAS, Bucharest, Romania
38. D. Enciu*, I. Ursu, A. Toader, M. Tudose, *Online damage identification and offline damage metrics evaluation in SHM*, International Conference on Advances in Vibrations, „VIBRATIONS 2015”, 30 March – 01 April 2015, Faculdade de Engenharia da Universidade do Porto, Porto, Portugal
39. D. Enciu*, M. Tudose, B. Neculaescu, A. Toader, I. Ursu, *Damage identification and damage metrics in SHM*, International Conference of Aerospace Sciences „AEROSPATIAL 2014”, 18-19 September 2014, INCAS, Bucharest, Romania
40. D. Enciu*, A. Toader, I. Ursu, *Magnetic field nanosensor based on Mn impurities*, 2nd International Workshop on Numerical Modelling in Aerospace Sciences, „NMAS 2014”, 7-8 May 2014, INCAS, Bucharest, Romania

*Speaker (28 out of 40)

Education

01.10.2016	PhD student – Applied Mathematics, Department of Mathematics, Faculty of Applied Sciences, University POLITEHNICA of Bucharest
2013-2015	Master – Applied Mathematics in Physics of Advanced Materials and Nanostructures, Faculty of Physics, University of Bucharest
2009-2012	Bachelor – Applied Mathematics, Faculty of Mathematics and Computer Science, University of Bucharest

Training

#	Interval	Class
1	17.11.2016	GAMAX Academy 2016 - Free hands-on workshop - Connecting Your Hardware to MATLAB, Budapest, Hungary
2	12.07.2016	Schrödinger software, IFIN-HH, Magurele, Ilfov
3	20-30.10.2014	Workshop at LAMSS (Laboratory for active materials and smart structures), University of South Carolina, Columbia, U.S.A skills acquired in the non-destructive SHM investigation based on digital microscopy (VHX 5000), acoustic microscopy (SAM 300), scanning laser Doppler vibrometry (Polytec PSV-400 SLDV)
4	07-20.07.2014	Transparent Electronics: From Materials & Devices to Devices & Systems, Chania, Crete – Erasmus Intensive Programme
5	2012-2013	Biochemistry studies at Faculty of Biology, University of Bucharest
6	2009-2012	Level I certification for the teaching profession, Faculty of Psychology and Educational Sciences, Department of Teacher Training, University of Bucharest

Other professional qualifications

1. **Chairman at:**
 - a. Scientific communication conference for PhD students, 25 May 2017, University Politehnica Bucharest, Romania
2. **Organizational Committee at:**
 - a. 36th "Caius Iacob" Conference on Fluid Mechanics and its Technical Applications, "Caius Iacob 2015", 29 – 30 October, 2015, Bucharest, Romania
 - b. 3rd International Workshop on Numerical Modelling in Aerospace Sciences, „NMAS 2015”, 6 – 7 May 2015, Bucharest, Romania
 - c. International Conference of Aerospace Sciences „AEROSPATIAL 2014”, 18- 19 September 2014, Bucharest, Romania
 - d. 2nd International Workshop on Numerical Modelling in Aerospace Sciences. „NMAS 2014”, 7 – 8 May 2014, Bucharest, Romania
3. Responsible with **INCAS Library** (2017)
4. **Mathematics teacher**, 2012 – 2013, Secondary school „Gheorghe Manu”, Budesti, Calarasi, Romania, CP 915100

Personal skills

Mother tongue	Romanian				
Other languages (Auto evaluation)	Understanding		Speaking		Writing
	Listening	Reading	Spoken interaction	Spoken production	
English	C2	C2	C1	C1	C1
French	C2	C2	C1	C1	C1
(*) Common European Framework of Reference for Languages					
Computer skills	Microsoft Office (Word, Excel, PowerPoint, Access), MATLAB				