



Europass Curriculum Vitae



Personal information

First name / Surname	Oana Arcu (Niculescu)
Address	-
Telephones	-
E-mail	oana.arcu@gmail.com
Nationality	Romanian
Date of birth	12.03.1983
Gender	Female

Work experience

Dates	01.10.2023 - present
Occupation or position held	Senior Team Leader
Main activities and responsibilities	- mentoring and coaching new team members on technical topics - recruiting new team members - planning and coordination of work packages - ensuring the quality and in-time delivery of the work packages - performance management and performance evaluation for the team members - improving processes and procedures - elaborating group strategies
Name and address of employer	Vitesco Technologies Engineering Romania S.R.L./ Schaeffler
Type of business or sector	Automotive Industry
Dates	01.07.2020 – 01.10.2023
Occupation or position held	Team Leader
Main activities and responsibilities	Managing a team of FEA simulation engineers: - mentoring and coaching new team members on technical topics - recruiting new team members

	- planning and coordination of work packages - ensuring the quality and in-time delivery of the work packages - performance management and performance evaluation for the team members - improving processes and procedures
Name and address of employer	Vitesco Technologies Engineering Romania S.R.L.
Type of business or sector	Automotive Industry
Dates	01.10.2019 – 01.07.2020
Occupation or position held	Mechanical Engineer II / FEA Simulation Engineer
Main activities and responsibilities	Multi-physics calculation for products optimization and validation, using ANSYS Workbench.
Name and address of employer	Vitesco Technologies Engineering Romania S.R.L.
Type of business or sector	Automotive Industry
Dates	12.03.2018 – 01.10.2019
Occupation or position held	Mechanical Engineer I / FEA Simulation Engineer
Main activities and responsibilities	Multi-physics calculation for products optimization and validation, using ANSYS Workbench.
Name and address of employer	Continental Automotive Romania
Type of business or sector	Automotive Industry
Dates	21.10.2014 – 23.05.2017
Occupation or position held	Quality Assistant (Proof-reader) / Linguistic Checker
Main activities and responsibilities	Ensure the technical and linguistic quality of the technical documentation provided for Airbus A350 aircrafts in AFI (Aircraft Fault Isolation) department
Name and address of employer	SC ATEXIS SRL, Iasi, Romania
Type of business or sector	Technical Documentation for Aircrafts
Dates	21.10.2014 – 01.05.2016
Occupation or position held	Mechanical Design Technician / Technical Documentation Author
Main activities and responsibilities	➤ Development of technical documentation for Airbus A350 aircrafts in AFI (Aircraft Fault Isolation) department which involves: - writing instructions for the Airbus engineers in the purpose of repairing the electrical parts of the aircraft, which implies: ✓ Using documentation from the client (Airbus) in order to identify the electrical problems encountered in the aircraft ✓ Finding the means to repair the damaged electrical parts. This process requires the use of specialised tools like ImageMaster, Demonstrator (simulator of the aircraft on-board maintenance system), AIRBUS SUPPLY, PSE, ESDCR, LIR, ProductView/CreoView. ✓ Using other specialized software and tools for configuration management:

	SAP, DACAS, GAMS ✓ Writing instructions in DACAS Graph Editor in the form of logical diagrams ✓ Writing the text in DACAS Text Editor (based on the logical diagrams previously built in Graph Editor) using specific technical and linguistic rules ✓ Implementing the fault isolation (repair) procedures in Aim@v tool in order for the aircraft engineers to be able to access and use them ➤ Linguistic quality checker ➤ Performing pre-analysis on new types of Airbus aircrafts (aircrafts not yet built or being in the building process) by studying Technical Repercussion Sheets (TRSs) received from the client. The purpose is to pre-determine the possible faults that may occur in the electrical parts of the new aircraft, based on the knowledge previously acquired for the old aircrafts.
Name and address of employer	SC ATEXIS SRL, Iasi, Romania
Type of business or sector	Technical Documentation for Aircrafts
Dates	01.01.2012 – 01.01.2014
Occupation or position held	Project manager / PhD Research Fellow in Physics
Main activities and responsibilities	Research activity / project management
Name and address of employer	"Gheorghe Asachi" Technical University of Iasi, Romania No.67 Dimitrie Mangeron Blvd., 700050, Iasi, Romania, Tel/Fax: +40232231041 http://www.tuiasi.ro
Type of business or sector	Higher Education
Dates	01.10.2012 – 21.02.2013
Occupation or position held	Professor Assistant
Main activities and responsibilities	University Teaching and Research
Name and address of employer	"Gheorghe Asachi" Technical University of Iasi, Romania No.67 Dimitrie Mangeron Blvd., 700050, Iasi, Romania, Tel/Fax: +40232231041 http://www.tuiasi.ro
Type of business or sector	Higher Education
Dates	11.02.2008-30.09.2010
Occupation or position held	Research Assistant in Physics
Main activities and responsibilities	Research
Name and address of employer	"Alexandru Ioan Cuza" University of Iasi, Romania

	No. 11 Carol I Blvd., 700506, Iasi, Romania, Tel/Fax +40 (232) 201000/+40 (232) 201201 http://www.uaic.ro
Type of business or sector	Higher Education
Dates	01.03.2008-15.07.2008
Occupation or position held	Teaching Assistant
Main activities and responsibilities	Teaching and Research
Name and address of employer	Institute for Ion Physics and Applied Physics ("Institut für Ionenphysik und Angewandte Physik"), Leopold-Franzens University, Innsbruck, Austria (Vertragsnummer: 21294, Inst-Nr: 74400) http://www.uibk.ac.at
Type of business or sector	Higher Education
Dates	01.03.2007-15.07.2007
Occupation or position held	Teaching Assistant
Main activities and responsibilities	Teaching and Research
Name and address of employer	Institute for Ion Physics and Applied Physics ("Institut für Ionenphysik und Angewandte Physik"), Leopold-Franzens University, Innsbruck, Austria (Vertragsnummer: 16731, Inst-Nr: 74400) http://www.uibk.ac.at
Type of business or sector	Higher Education
Education and training	
Dates	October 2007-May 2011
Title of qualification awarded	PhD Diploma in Physics, Dissertation Thesis subject: Nonlinearity and Self-organisation in Plasma Systems
Principal subjects/occupational skills covered	Plasma physics, Polymer physics, Optics and Spectroscopy / Plasma physics, Nonlinearity and Self-organization
Name and type of organisation providing education and training	Faculty of Physics, Alexandru Ioan Cuza University of Iasi, Romania
Dates	October 2005-June 2007
Title of qualification awarded	MSc in Physics
Principal subjects/occupational skills covered	Medical Physics, Biophysics and Self-organization / Plasma physics, Nonlinearity and Self-organization
Name and type of organisation providing education and training	Faculty of Physics, Alexandru Ioan Cuza University of Iasi, Romania
Dates	October 2001-June 2005
Title of qualification awarded	Bachelor of Physics
Principal subjects/occupational skills covered	Branch Physics
Name and type of organisation	Faculty of Physics, Alexandru Ioan Cuza University of Iasi, Romania

providing education and training

Dates September 1997-June 2001
 Title of qualification awarded High school graduate
 Principal subjects/occupational skills covered Mathematics and Physics
 Name and type of organisation providing education and training "Mircea cel Batran" National College, Constanta, Romania

Personal skills and competences

Mother tongue **Romanian**

Other languages **English, German**

Self-assessment	Understanding				Speaking				Writing	
European level (*)	Listening		Reading		Spoken interaction		Spoken production			
English	C2		C2		C2		C2		C2	
German	A2		B1		A2		A2		B1	

(*) [Common European Framework of Reference for Languages](http://europass.cedefop.europa.eu)

Technical skills and competences Perform multi-physics simulations using Ansys Workbench: structural, vibrations, thermo-electric.
 Ability to practically work with laboratory devices (various plasma devices and vacuum systems).

Practical applications of the preformed physics research Plasma instability studies with applications to nuclear fusion plasma devices, ion sources, multiple scale dynamics, structures formation in atmosphere plasma with applications in radio transmissions safety, bi-stability and multi-stability with applications in memory cells, negative differential resistance, emergence and self-organization, phase transitions, turbulence and spatio-temporal chaos, plasma thrusters, pulsed laser deposition (PLD), electrode microwave discharges (EMD), magnetic fields formation, space plasmas (solar flares), dusty plasmas, double layers with numerous applications in a variety of domains.

Computer skills and competences Ansys Workbench, various management tools, Jira/Confluence, Windows OS, MS Office (Word, Excel, PowerPoint), Origin Lab, Corel Draw

Other skills and competences Ability to work in a team.
 Ability to work under pressure.
 Ability to learn fast and to easily adapt to new and unexpected situations.

Driving license B Category

Additional information **Participation in research grants**

1. January 2012 – December 2014 – **Project Manager** of Post Doctoral research grant, code PN-II-RU- PD-2011-3-0069, “Gheorghe Asachi” Technical University of Iasi, Romania;
2. February 2008 - September 2010 – Member of IDEI_409 research grant, “Alexandru Ioan Cuza” University of Iasi, Romania;
3. September 2009 – Member of FP 7 research grant, JOIN PHYSICISTS IN FESTIVAL (My Physics, My World) , “Alexandru Ioan Cuza” University of Iasi, Romania;

Scholarship Awards

1. 01.04.2006 – 31.08.2006 - CEEPUS research scholarship at “Institut für Ionenphysik und Angewandte Physik” (Institute for Ion Physics and Applied Physics), Leopold-Franzens-Universität Innsbruck, Austria;
2. 01.03.2007 – 30.06.2007 - CEEPUS research scholarship at “Institut für Ionenphysik und Angewandte Physik” (Institute for Ion Physics and Applied Physics), Leopold-Franzens-Universität Innsbruck, Austria;
3. 01.08.2007 – 31.08.2007 - CEEPUS research scholarship at “Institut für Ionenphysik und Angewandte Physik” (Institute for Ion Physics and Applied Physics), Leopold-Franzens-Universität Innsbruck, Austria;
4. 01.03.2008 – 30.06.2008 - CEEPUS research scholarship at “Institut für Ionenphysik und Angewandte Physik” (Institute for Ion Physics and Applied Physics), Leopold-Franzens-Universität Innsbruck, Austria.

Annexes Publication List

Annexes

PUBLICATION LIST

ISI Indexed Papers

1. L. M. Ivan, D. G. Dimitriu, O. Niculescu, M. Sanduloviciu – On the Complex Self-Organized Systems Created in Laboratory, *Journal of Optoelectronics and Advanced Materials*, Vol. 10, No. 8, pp. 1950-1953, 2008;
2. O. Niculescu, D. G. Dimitriu – On the Generation of Stable Complex Oscillations in Low Temperature Plasma, *Romanian Journal of Physics*, Vol. 54, Nos. 5-6, pp. 577-584, 2009;
3. M. Colotin, O. Niculescu, T. Dandu Bibire, I. Gottlieb, P. Nica, M. Agop – Fractal Fluids of Conductive Type Behavior through Scale Relativity Theory, *Romanian Reports in Physics*, Vol. 61, No. 3, pp. 387-394, 2009;
4. A. Harabagiu, O. Niculescu, M. Colotin, T. Dandu Bibire, I. Gottlieb, M. Agop – Particle in a Box by Means of a Fractal Hydrodynamic Model, *Romanian Reports in Physics*, Vol. 61, No. 3, pp. 395-400, 2009;
5. O. Niculescu, P. Nica, S. Gurlui, N. Forna, I. Casian-Botez, I. Ionita, B. Constantin, G. Badarau – Experimental Investigations of Polymer Plasma Ablation, *Materiale Plastice*, Vol. 46, No. 3, pp. 336-338, 2009;
6. O. Niculescu, D. G. Dimitriu, V. P. Paun, P. D. Matasaru, D. Scurtu, M. Agop - Experimental and Theoretical Investigations of a plasma fireball dynamics, *Physics of Plasmas*, Vol. 14, Issue 4, Article Number 042305, 2010;
7. M. Agop, G. V. Munceleanu, O. Niculescu, T. Dandu-Bibire - Static and free time-dependent fractal systems through an extended hydrodynamic model of the scale relativity theory, *Physica Scripta*, Vol. 82, Issue 1, Article Number 015010, 2010;
8. M. Agop, O. Niculescu, A. Timofte, L. Bibire, A. S. Ghenadi, A. Nicuta, C. Nejneru, G. V. Munceleanu - Non-Differentiable Mechanical Model and Its Implications, *International Journal of Theoretical Physics*, Vol. 49, Issue 7, pp. 1489-1506, 2010;
9. O. Niculescu, D. G. Dimitriu - Experimental and Theoretical Study of Nonlinear Phenomena Related to the Double Layer Dynamics in Plasma, *TIM-09: Proceedings of the Physics Conference*, Vol. 1262, pp. 178-183, 2010;

10. D. S. Abăcioaie, M. A. Păun, O. Niculescu, A. Antici, M. Colotin – Implication of Scale Relativity in Gravitational and Electromagnetic Field Theory, *Romanian Journal of Physics*, Vol. 55, Issue 7-8, pp. 665-675, 2010;
11. M. Agop, P. Nica, O. Niculescu, D. G. Dimitriu - Experimental and Theoretical Investigations of the Negative Differential Resistance in a Discharge Plasma, *J. Phys. Soc. Jpn.*, Vol. 81, 064502, 2012;
12. M. Agop, D. G. Dimitriu, O. Niculescu, E. Poll, V. Radu – Experimental and theoretical evidence of the chaotic dynamics of complex structures, *Physica Scripta*, Vol. 87, pp. 045501, 2013;
13. S. Gurlui, O. Niculescu, D. G. Dimitriu, C. Ionita, R. Schrittwieser - Spectral Investigations of Two Simultaneous Fireballs in Plasma, *TIM-12: Proceedings of the Physics Conference (AIP Conference Proceedings)*, Vol. 1564, pp. 200-204, 2013;
14. S. Gurlui, O. Niculescu, D. G. Dimitriu, C. Ionita, R. W. Schrittwieser – Elementary Processes in the Dynamics of two Simultaneously Excited Fireballs in Plasma, *International Journal of Mass Spectrometry (IJMS)*, Vol. 365-366, pp. 42-47, 2014.

BDI Indexed papers

1. O. Niculescu, M. M. Cazacu, M. N. Dănilă, D. G. Dimitriu, S. Gurlui, M. Agop – Magnetosphere Double Layers and Aurora borealis. Acceleration Mechanisms and Instabilities, *Studia Universitatis Babes-Bolyai Ambientum*, (accepted 2012).

Books

1. Gheorghe Bădărău, Norina Forna, Oana Niculescu, Petre Edward Nica, Maricel Agop, *Experimental and theoretical aspects in laser produced plasma* pp. 189-214, în *The Fractal and its Implications in the Material Science*, Maricel Agop, Pavlos D. Ioannou, Petru Edward Nica, Viorel Păun (Editors), Athens University Press, Greece, 2008, ISBN: 978-960-92410-1-4;
2. Oana Niculescu, Valentin Gîrțu, Marilena Colotin, Viorel Puiu Păun, Maricel Agop, *Haos în sisteme clasice și cuantice* pp. 46-65, în *Haoticitate, fractalitate și câmpuri*, M. Agop, M. Colotin, V. P. Paun (Ed.), Ed. Ars Longa, Iași, 2009, ISBN: 978-973-148-034-3;
3. Oana Niculescu, Aurelia Stroe, Corina Marin, Maricel Agop, *Neliniaritate și autoorganizare în plasmă*, Ed. Ars Longa, Iași, 2011, ISBN: 978-973-148-086-2;

4. Daniela Magop, Oana Niculescu, Aurelia Stroe, Maricel Agop, *Implicatii ale nediferentiabilitatii in mecanica cuantica*, Ed. Ars Longa, Iași, 2012, ISBN: 978-973-148-124-1.

CNCSIS Accredited publications B+ category

1. O. Niculescu, L. M. Ivan, D. G. Dimitriu – The Influence of a Transversal Magnetic Field on the Nonlinear Dynamics of a Complex Space Charge Structure in Plasma, *Buletinul Institutului Politehnic din Iași*, Tomul LIV(LVIII), Fasc. 2, 2008;
2. O. Niculescu, C. D. Nechifor – *On the Effects of Low Pressure Argon Plasma Treatment on PVA Films*, Buletinul Institutului Politehnic din Iași, Tomul LV(LIX), Fasc. 1, 2009;
3. O. Niculescu, A. Niculescu – Electrical Probes Investigation of a Plasma Fireball Dynamics, *Buletinul Institutului Politehnic din Iași*, Tomul LVI (LX), Fasc. 4, 2010;
4. F. Pantilimonescu, Maria Magdici, Oana Niculescu, C. Buzea et al - *Active Device for Internet of Things Using the Honeybee as Sensor*, Buletinul Institutului Politehnic din Iași, Tomul LX(LXIV), Fasc. 3, 2014.

International Conferences

1. O. Niculescu, L. Mihaescu, A. Stavar, L. M. Ivan, S. Chiriac, D. G. Dimitriu, E. Lozneau, M. Sanduloviciu - Control of chaos generated by complex systems emerged by self-organization in a plasma diode by connecting passive circuit elements, *7th International Balkan Workshop on Applied Physics*, Constanta, Romania, 2006;
2. M. Aflori, O. Niculescu, D. G. Dimitriu, D. O. Dorohoi – Mass-spectrometry investigations of hydrogen positive ions in Ar-H₂ radio-frequency discharges, *34th EPS Conference on Plasma Physics*, Warsaw, Poland, 2007;
3. O. Niculescu, S. Chiriac, D. G. Dimitriu – On the interaction between complex space charge structures in plasma, *34th EPS Conference on Plasma Physics*, Warsaw, Poland, 2007;
4. S. Chiriac, O. Niculescu, D. G. Dimitriu, M. Sanduloviciu – Type I intermittency related to the double layer dynamics in filament type discharge plasma, *34th EPS Conference on Plasma Physics*, Warsaw, Poland, 2007;

5. O. Niculescu, D. G. Dimitriu, C. Ionita, R. Schrittwieser – On the dynamics of a complex space charge structure in a transversal magnetic field, *28th International Conference on Phenomena in Ionized Gases*, Prague, Czech Republic, 2007;
6. R. Schrittwieser, D.G. Dimitriu, C. Ionita, O. Niculescu, L. Conde, J.M. Donoso – Anode double layers (invited lecture), *The 9th International Workshop on the Interrelationship between Plasma Experiments in Laboratory and Space*, Palm Cove Resort, Cairns, Australia, 2007;
7. O. Niculescu, D. G. Dimitriu, C. Ionita, R. W. Schrittwieser - Nonlinear dynamics of a complex space charge structure in plasma under the influence of a transversal magnetic field, *14th International Conference on Plasma Physics and Applications*, Brasov, Romania, 2007;
8. L. M. Ivan, D. G. Dimitriu, M. Sanduloviciu, O. Niculescu – On the complex self-organized systems created in laboratory, *14th International Conference on Plasma Physics and Applications*, Brasov, Romania, 2007;
9. O. Niculescu, D. G. Dimitriu, C. Ionita, R. W. Schrittwieser – Nonlinear dynamics of a fireball in transversal magnetic field, *International Conference on Fundamental and Applied Research in Physics*, Iasi, Romania, 2007;
10. O. Niculescu, D. G. Dimitriu – Complex Oscillations Induced by the Nonlinear Dynamics of the Fireballs in Plasma, *The 13th IEEE International Conference on Plasma Science*, Karlsruhe, Germany, 2008;
11. O. Niculescu, D. G. Dimitriu – On the Generation of Stable Complex Oscillations in Low-Temperature Plasma, *9th International Balkan Workshop on Applied Physics*, Constanta, Romania, 2008;
12. D. G. Dimitriu, L. M. Ivan, O. Niculescu – Spatio-Temporal Period-Doubling Bifurcations in Low-Temperature Plasmas, *Proceedings of the 17th International Conference on Gas Discharges and their Applications*, Cardiff, U. K., 2008;
13. Cristina-Delia Nechifor, O. Niculescu – Plasma Treatment Effect on PVA Polymeric Films, *International PhD Students Workshop on Fundamental and Applied Research in Physics*, Iasi, Romania, 2008;
14. O. Niculescu, A. R. Stana, D. G. Dimitriu – Patterns Formation and Transition to Chaos in Low-Temperature Plasma, *10th International Balkan Workshop on Applied Physics*, Constanta, Romania, 2009;
15. C. D. Nechifor, O. Niculescu, P. Nica, S. Gurlui, M. Agop – ND-YAG Laser Ablation on Polymer Films, *International Symposium on Applied Physics: Materials Science, Environment and Health*, Galati, Romania, 2009;

16. O. Niculescu, D. G. Dimitriu – Experimental and Theoretical Study of Nonlinear Phenomena Related to the Double Layer Dynamics in Plasma, *Physics Conference TIM – 09*, Timisoara, Romania, 2009;
17. O. Niculescu, D. G. Dimitriu, M. Agop – Scale Relativity Model Applied to the Plasma Fireball Dynamics, *11th International Balkan Workshop on Applied Physics*, Constanta, Romania, 2010;
18. O. Niculescu, D. G. Dimitriu, M. Dănilă, F. Unga, M. Agop – Experimental and theoretical studies on plasma fireballs interactions, *EPS*, Stockholm, Suedia, 2012;
19. O. Niculescu, M. Agop, D. G. Dimitriu – On the self-structuring of plasma in simple and multiple double layers, *ICOPS*, Edinburgh, U. K., 2012;
20. O. Niculescu, M. Agop, P. Nica, D. G. Dimitriu – Experimental and theoretical investigations of the negative differential resistance in a discharge plasma, *ICOPS*, Edinburgh, U. K., 2012;
21. O. Niculescu, M. Dănilă – Numerical simulations for the off-axis electric potential created by a biased disk electrode immersed in a cold diffusion plasma, *ICOPS*, Edinburgh, U. K., 2012;
22. M. Agop, P. Nica, O. Niculescu – Multiple double layers evolution to chaos in plasma through a cascade of sub-harmonic bifurcations, *ICOPS*, Edinburgh, U. K., 2012;
23. M. Agop, P. Nica, O. Niculescu – Non-differentiable model and its implications in the dynamics of a laser ablation plasma structure, *ICOPS*, Edinburgh, U. K., 2012;
24. S. Gurlui, O. Niculescu, D. G. Dimitriu, C. Ionita, R. Schrittwieser – Spectral investigations of two simultaneous fireballs in plasma, *Physics Conference TIM-12*, Timisoara, Romania, 2012;
25. O. Niculescu, M. M. Cazacu, M. N. Dănilă, D. G. Dimitriu, S. Gurlui, M. Agop – Magnetosphere double layers and aurora borealis. Acceleration mechanisms and instabilities, *Environmental Legislation, Safety Engineering and Disaster Management (ELSEDIMA)*, Cluj-Napoca, Romania, 2012;
26. O. Niculescu, S. Gurlui, D. G. Dimitriu, C. Ionita, R. Schrittwieser – Optical Emission Spectroscopy and Nonlinear Dynamics Analysis of Two Fireballs Simultaneously Obtained in a Cold Diffusion Plasma, *31st ICPIG*, July 14-19, Granada, Spain, 2013;
27. O. Niculescu, D. G. Dimitriu – Experimental Evidence of Competing Scenarios of Transition to Chaos in Low-Temperature Plasma, *31st ICPIG*, July 14-19, Granada, Spain, 2013;
28. O. Niculescu, S. Gurlui, D. G. Dimitriu, C. Ionita, R. Schrittwieser – Study on the Interaction of two Complex Plasma Structures. Optical Emission Spectroscopy and Nonlinear Dynamics Analysis, *PLASMA-2013*, Warsaw, Poland, 2013;
29. O. Niculescu, S. Gurlui, D. G. Dimitriu, Codrina Ionita, R. W. Schrittwieser – Nonlinear Dynamics Analysis and Extensive Optical Investigations of Two Fireballs Simultaneously

Excited in an Argon-Helium Mixture Plasma, *Physics Conference TIM-13*, Timisoara, Romania, 2013.

National Conferences

1. S. Chiriac, O. Niculescu, D. G. Dimitriu – Interaction between complex space charge structures in low-temperature, unmagnetized diffusion plasma, *National Conference of Applied Physics*, Iasi, Romania, 2006;
2. L. M. Ivan, O. Niculescu, D. G. Dimitriu, M. Sanduloviciu – Multiple double layers in plasma related with nanoscience and nanotechnologies applications, *National Conference of Applied Physics*, Iasi, Romania, 2006;
3. O. Niculescu, L. M. Ivan, D. G. Dimitriu – The influence of a transversal magnetic field on the nonlinear dynamics of a complex space charge structure in plasma, *National Conference of Applied Physics*, Iasi, Romania, 2006;
4. L. M. Ivan, O. Niculescu, D. G. Dimitriu, M. Sanduloviciu – Potential applications of plasma multiple double layers in nanoscience and nanotechnologies, *Workshop on Fundamental and Applied Research in Physics*, Iasi, Romania, 2006;
5. O. Niculescu, Cristina-Delia Nechifor – On the Effects of Low Pressure Argon Plasma Treatment on PVA Films, *The 3rd National Conference of Applied Physics*, Iasi, Romania, 2008;
6. Cristina-Delia Nechifor, O. Niculescu – Tratamente fizice de suprafata ale filmelor din alcool polivinilic, *Concursul National de Referate si Comunicari Stiintifice "Stefan Procopiu"*, Piatra-Neamt, Romania, 2009;
7. O. Niculescu – Experimental and Theoretical Investigation of Plasma Double Layers, *PhD Students Workshop on Fundamental and Applied Research in Physics*, Iasi, Romania, 2009;
8. C. D. Nechifor, O. Niculescu, P. Nica, S. Gurlui, M. Agop – Laser Ablation on PVA-PHU Blends, *PhD Students Workshop on Fundamental and Applied Research in Physics*, Iasi, Romania, 2009;
9. O. Niculescu, D. G. Dimitriu – Experimental and Theoretical Study of Nonlinear Phenomena Related to the Double Layer Dynamics in Plasma, *Physics Conference TIM – 09*, Timisoara, Romania, 2009;
10. O. Niculescu, A. Niculescu - Electrical Probes Investigation of a Plasma Fireball Dynamics, *The 4th National Conference of Applied Physics*, Iasi, Romania, 2010;

11. O. Niclescu, S. Gurlui, D. G. Dimitriu, C. Ionita, R. Schrittwieser – Structuri complexe in plasma – investigatii spectrale, *Concursul National de Referate si Comunicari Stiintifice Stefan Procopiu*, Piatra Neamt, Romania, 5-6 Aprilie 2013.