

Europass Curriculum Vitae



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Nationality	Romanian
Date of birth	05.11.1971
Gender	male
Present employment / position	Assoc Prof, PhD (Alexandru Ioan Cuza University of Iasi, Romania)
EDUCATION AND TRAINING	<ul style="list-style-type: none"> ✎ 1995 - Graduate the Faculty of Physics, Specialization Technological Physics (Awards, Diploma of Merit, score 9.92/10) ✎ 1996 – Graduate Master in Physics, Specialization Physics of Plasmas and Spectroscopy, score 10/10 2003 – PhD thesis: <i>Contribution to the study of the processes and phenomena in non-homogeneous discharges plasmas gas mixtures</i>
Work experience	<p>24 years (Iasi, Romania); 12 years (Lille, France)</p> <ul style="list-style-type: none"> ✎ 1996-2001: Assistant Prof. , Alexandru Ioan Cuza University of Iasi ✎ 2001-2006: Lecturer, Alexandru Ioan Cuza University of Iasi ✎ 2006-present: Assoc. Prof. PhD. Eng., Alexandru Ioan Cuza University of Iasi, Romania ✎ 2004-2016: Invited Prof. , Lille 1 University of Science and Technology, France, Laboratoire de Physique des Lasers, Atomes et Molécules
Research stages	✎ Orsay, Paris XI (France), Orléans (France), Angers (France), Lille (France), Innsbruck (Austria)
Personal skills and competences	
Organisational skills and competences	<ul style="list-style-type: none"> • Contribute in organization and co-organization of several National and International Conferences, Summer Schools or Workshops • Referent: Physics of Plasmas, IEEE Transactions on Plasma Science, Modern Phys B MQW lasers, Surface Letter, Journal of Quantitative Spectroscopy and Radiative Transfer • Expertise and assessment of national projects
Teaching activities (courses)	<ul style="list-style-type: none"> • Regional Air Pollution and Global Climate Changes • Plasmas, Spectroscopy and Lasers • Atmosphere optics • Optics and applied spectroscopy
Scientific research activity	<ul style="list-style-type: none"> • Published 109 ISI papers; H-index 19; Times Cited 1100 • Competence areas: <u>Lasers, Optics, Atmosphere optics, Spectroscopy, Environment, Physics of Plasmas</u>

Additional information	<ul style="list-style-type: none"> • Head of Atmosphere Optics, Spectroscopy and Lasers Laboratory (LOA-SL) http://spectroscopy.phys.uaic.ro/ 																		
Network	<ul style="list-style-type: none"> ➤ Member of: ACTRIS and AERONET networks: http://aeronet.gsfc.nasa.gov/cgi-bin/type_one_station_opera_v2_new?site=iasi_LOASL&nachal=2&level=1&place_code=10 ➤ From 2017 LOASL becomes member of the facility for antiproton and ion research (FAIR), Darmstadt, Germany https://www.gsi.de/forschungbeschleuniger/fair.htm ➤ Founder member of SNSIM (National Society of Environmental Science) http://snsim.ro/?page_id=6 																		
Language	<p>English, French</p> <table border="1"> <tr> <td colspan="2">Understanding</td> <td colspan="2">Speaking</td> <td colspan="2">Writing</td> </tr> <tr> <td>Listening</td> <td>Reading</td> <td>Spoken interaction</td> <td>Spoken production</td> <td colspan="2"></td> </tr> <tr> <td>C2 Proficient user</td> <td>C2 Proficient user</td> <td>C2 Proficient user</td> <td>C2 Proficient user</td> <td>C2 Proficient user</td> <td>C2 Proficient user</td> </tr> </table>	Understanding		Speaking		Writing		Listening	Reading	Spoken interaction	Spoken production			C2 Proficient user	C2 Proficient user	C2 Proficient user	C2 Proficient user	C2 Proficient user	C2 Proficient user
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Listening	Reading	Spoken interaction	Spoken production																
C2 Proficient user	C2 Proficient user	C2 Proficient user	C2 Proficient user	C2 Proficient user	C2 Proficient user														
Digital competence	<ul style="list-style-type: none"> ⊗ advanced knowledge of mathematics, computer science (algorithms, programming techniques, software) <p>[see web-site http://spectroscopy.phys.uaic.ro/Headlines.html]</p> <p>Awards</p> <ul style="list-style-type: none"> • Gold Medal, The Hamangia Thinker for Novel Romanian LIDAR system, XVII-th International Exhibition of Inventics, Research and Technological Transfer "INVENTICA 2013", and the XVII-th International Conference of Inventics, Iasi, 2013 • Special Prize of the International Personal of Academy (KIEV), XVII-th International Exhibition of Inventics, Research and Technological Transfer "INVENTICA 2013", and the XVII-th International Conference of Inventics, Iasi, 2013 <p>ANNEXES</p> <ul style="list-style-type: none"> ⊗ Publications and Projects pg 3-11 																		

Appendices

Books:

1. P.E. Nica, S.A. Irimiciuc, M. Agop, S. Gurlui, M. Ziskind and C. Focsa, Experimental and Theoretical Studies on the Dynamics of Transient Plasmas Generated by Laser Ablation in Various Temporal Regimes, IntechOpen, 2017;
2. G. Strat, M. Strat, S. Gurlui, C. Focsa, D. Dimitriu, Self-organization in nanomaterials, vol 5, p. 53-91, Ed. INOE (2007).
3. S. Gurlui, M. Delibaş, Optics. Exercises and problems, ed. TehnoPress, Iaşi, 445p (2005).
4. S. Gurlui, D. Dimitriu, Plasma double layers, ed. TehnoPress, Iaşi, 346p (2005).

Since 2007, I founded LOASL which became the university's representative in research partnerships in the country and abroad. LOASL is a member of the only national network of LIDARS systems in Romania and passive optical instruments interconnected to the worldwide infrastructure ACTRIS.

Under my direct coordination and in partnerships with teams of researchers and professors from France (Lille 1 University, Paris XI /LPGP, Orsay, University of Angers) from Austria (University of Innsbruck) and from Romania ("Alexandru Ioan Cuza" University of Iasi, "Gh Asachi" Technical University of Iasi, University of Craiova, University of Bucharest, INOE Bucharest, INFLPR Magurele, etc.) I trained over 30 PhD students who completed their theses in these laboratories.

For most of them but also for other PhD students, I was nominated in the examination commissions and I was part of the team of referents, both from Romania and from abroad. I am a doctoral supervisor and the team of the laboratory I coordinate includes both doctoral students, postdoc students, researchers and professors, being supported exclusively from grants won through national and international competitions (total value of over **3 million euros**), as following:

Director/ Research Projects <http://spectroscopy.phys.uaic.ro/PROJECTS.html>

1. ENIAN: Enhanced ion acceleration by laser irradiation of special thin polymers layers containing nanoparticles, APPA/MML/Plasma Physics/PHELIX, FAIR 05_2020, **320.000 EURO**
2. ROBIM: MicroLIBS sensors for robotic planetary and astrobiological exploration missions, PN-III-P4-ID-PCE2020-0332, UEFISCDI, **220.000 EURO**
3. SATY: Satellite hybrid micro-thrusters, Romanian Space Agency (ROSA), 2017-2018 (**370.000 EURO**)
4. AiRFRAME: Aerosol properties retrieval from remote sensing spectroscopic measurements (partner UAIC), (ROSA), 2017-2018 (**45.000 EURO**)
5. LEO: LOASL's Earth Observatory, Romanian Space Agency (ROSA), ID 499/2016-2017 (**1.000.000 EURO**)
6. ELIAN: Extreme Light Induced Ablation Plasma Jet And Nano-patterning, ELI-NP, CAPACITIES / RO-CERN E03/30.06.2014, 2014-2016 (**140.000 EURO**)
7. DARLIOES: Fast Laser Imaging, Detection and Ranging Of Aerosol Emissions in Aircraft Plumes, Romanian Space Agency (ROSA) within Space Technology and Advanced Research (STAR) Program. Project nr. 98/29.11.2013, 2013-2016 (**177.000 EURO**)
8. "Dynamics of laser ablation plasmas: fundamentals and applications to pulsed laser deposition of thin films": bilateral project ANCS-ANR (Romania – France), ID project PN-II-CT-RO-FR-2012-1-0058; 2013-2014.
9. "The study of polymer-laser radiation interactions in controlled atmosphere. Laser ablation nanostructured thin films layers. Applications" PN-II-ID-PCE-2011-3-0650, 2011-2014. (**350.000 EURO**)
10. "Join Physicist in Festival (My Physics, My World)" FP7-PEOPLE, 244978/2009, 2009.
11. RADO: "Romanian Atmospheric Research 3D Observatory" funded by Innovation Norway, STVES 115266/2008; 2008-2010. (**247.600 EURO**)
12. "New methods and technologies to investigate complex plasma nanostructures obtained through laser ablation. Technological applications" CEEX type II – Excellence research projects for young researchers, 5879/2006, ET 70, 2006-2008. (**31.000 EURO**)

13. ROLINET: "Romanian Network of LIDAR systems" PN II Cooperation, 31-002/2007, 2007-2010. (71.000 EURO)
14. "Study of the physical processes and phenomena from plasma double layers and biological cell membranes. Analogies and applications" CNCSIS, 33373/2004, AT 71, 2004-2005.
15. "Study of the processes and phenomena from electrical discharges (un-homogeneous) in atomic and molecular gases. Theoretical models and applications" CNCSIS, 33531/2002, AT 284, 2002-2003.

Links to:

1. SCOPUS ID: [Silviu Gurlui](#)
2. ORCID: <https://orcid.org/0000-0003-2248-9954>;
3. RESEARCHER ID: https://www.researchgate.net/profile/Silviu_Gurlui/publications
4. LOASL website: <http://spectroscopy.phys.uaic.ro/LOASL.html>

Articles

1. L. Balika, C. Focsa, S. Gurlui, S. Pellerin, N. Pellerin, D. Pagnon and M. Dudeck, **Laser ablation in a running hall effect thruster for space propulsion**, Appl. Phys A, DOI 10.1007/s00339-012-7211-0, (2012)
2. L. Balika, C. Focsa, S. Gurlui, S. Pellerin, N. Pellerin, D. Pagnon and M. Dudeck, **Laser-induced breakdown spectroscopy in a running Hall Effect Thruster for space propulsion**, Spectrochimica Acta Part B 74-75, 184-189 (2012)
3. C. Focsa, M. Ziskind, C. Ursu, S. Gurlui, D. Pagnon, S. Pellerin, N. Pellerin, M. Dudeck, **Laser - BnSiO₂ Ceramics Interaction: simulation of the energy deposition on dielectric wall surfaces in Hall thrusters**, J. Optoelectron. Adv. Mater. 10 2380 (2008);
4. C. Ursu, O. G. Pompilian, S. Gurlui, P. Nica, M. Agop, M. Dudeck and C. Focsa, **Al₂O₃ ceramics under high-fluence irradiation: plasma plume dynamics through space- and time-resolved optical emission spectroscopy**, Applied physics a: materials science & processing, Volume 101, Number 1, 153-159, (2010), DOI: 10.1007/s00339-010-5775-0
5. S. Gurlui, M. Agop, P. Nica, M. Ziskind, C. Focsa, **Experimental and Theoretical Investigations of a Laser Produced Aluminum Plasma**, Phys. Rev. E, 78, 026405 (2008). Article selected for publication in the Virtual Journal of Ultrafast Science (Vol. 7, No. 9, September 2008)
6. M. M. Cazacu, A. Timofte, F. Unga, B. Albina, S. Gurlui, **Aeronet data investigation of the aerosol mixtures over iasi area, one-year time scale overview**, Journal of Quantitative Spectroscopy and Radiative Transfer, 153, pp. 57-64 (2015)
7. A. Cocean, I. Cocean, M.M. Cazacu, G. Bulai, F. Iacomi, S. Gurlui, **Atmosphere self-cleaning under humidity conditions and influence of the snowflakes and artificial light interaction for water dissociation simulated by the means of COMSOL**, (2018) Applied Surface Science, 443, pp. 83-90.
8. P. Nica, M. Agop, S. Gurlui and C. Focsa, **Oscillatory Langmuir probe ion current in laser produced plasma expansion**, Epl-Europhys LETT 89, 6 Art no: 65001 (2010)
9. I. Cocean, A. Cocean, F. Iacomi, S. Gurlui, **City water pollution by soot-surface-active agents revealed by FTIR spectroscopy**, Applied Surface Science 499 (2020) 142487
10. 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 Volume: 365 Special Issue: SI Pages: 42-47 (2014)
11. R. W. Schrittwieser, C. Ionita, C. T. Teodorescu-Soare, O. Vasilovici, S. Gurlui, S. A. Irimiciuc and D. G. Dimitriu, **Spectral and electrical diagnosis of complex space-charge structures excited by a spherical grid cathode with orifice**, Phys. Scr. 92 044001 (2017)
12. M. Girtan, G. I. Rusu, G.G. Rusu, S. Gurlui, **Influence of oxidation conditions on the properties of indium oxide thin films**, Appl. Surf. Sci., 162, 492 (2000);
13. M. Strat, G. Strat, S. Gurlui, **Basic processes in discharge plasma double layers**, J. Phys. D: Appl. Phys. 32 34
14. Irimiciuc, S., Enescu, F., Bedeleian, H., Gurlui, S., Agop, M., **Space-and time-resolved optical investigations on ns-laser produced plasmas on various geological samples**, (2020) Spectrochimica Acta - Part B Atomic Spectroscopy, 170, art. no. 105904,

15. Bulai, G., Epure, L., Strat, M., Toma, S., Cimpoesu, N., Gurlui, S., Constantinel, R., Hurduc, N., **Azo-polysiloxanes spontaneous surface relief grating by pulsed laser irradiation**, (2020) Applied Physics A: Materials Science and Processing, 126 (8), art. no. 616, .
16. Cocean, I., Diaconu, M., Cocean, A., Postolachi, C., Gurlui, S., **Landfill Waste Fire Effects over Town Areas under Rainwaters**, (2020) IOP Conference Series: Materials Science and Engineering, 877 (1), art. no. 012048
17. Cocean, A., Cocean, I., Postolachi, C., Pricop, D., Husanu, F., Gurlui, S., **Laser Induced Dyeing (LID) with Reactive Blue 21 on Hemp Fibers**, (2020) IOP Conference Series: Materials Science and Engineering, 877 (1), art. no. 012022
18. Cocean, A., Cocean, I., Postolachi, C., Cimpoesu, N., Husanu, F., Munteanu, B., Gurlui, S., **Copper Sulfate Pentahydrate Target Behavior during Pulsed Laser Deposition to Produce Dichroic Coatings for Beam Splitters**, (2020) IOP Conference Series: Materials Science and Engineering, 877 (1), art. no. 012005, .
19. Garofalide, S., Diaconu, M., Cocean, I., Cocean, A., Pelin, V., Gurlui, S., Leontie, L., **Study of Physico-Chemical Characteristics of Some Major Urban Air Pollutants**, (2020) IOP Conference Series: Materials Science and Engineering, 877 (1), art. no. 012049
20. Irimiciuc, S.A., Hodoroaba, B.C., Bulai, G., Gurlui, S., Craciun, V., **Multiple structure formation and molecule dynamics in transient plasmas generated by laser ablation of graphite**, (2020) Spectrochimica Acta - Part B Atomic Spectroscopy, 165, art. no. 105774, .
21. Agop, M., Cimpoesu, N., Gurlui, S., Irimiciuc, S.A., **Investigations of transient plasma generated by laser ablation of hydroxyapatite during the pulsed laser deposition process**, (2020) Symmetry, 12 (1), art. no. 132
22. Stoica, I., Sava, I., Bulai, G., Stoian, G., Strat, M., Gurlui, S., Oprisan, B., **Development and morphological characterization of novel polyimide/Metal nano hybrid materials**, (2020) Materiale Plastice, 57 (2), pp. 94-103.
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25. Enescu, F., Irimiciuc, S.A., Cimpoesu, N., Bedeleian, H., Bulai, G., Gurlui, S., Agop, M., **Investigations of laser produced plasmas generated by laser ablation on geomaterials. Experimental and theoretical aspects**, (2019) Symmetry, 11 (11), art. no. 1391
26. Irimiciuc, S.A., Gurlui, S., Agop, M., **Particle distribution in transient plasmas generated by ns-laser ablation on ternary metallic alloys**, (2019) Applied Physics B: Lasers and Optics, 125 (10), art. no. 190,
27. Cocean, I., Cocean, A., Postolachi, C., Pohoata, V., Cimpoesu, N., Bulai, G., Iacomi, F., Gurlui, S., **Alpha keratin amino acids BEHAVIOR under high FLUENCE laser interaction. Medical applications**, (2019) Applied Surface Science, 488, pp. 418-426.
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29. Nica, P., Gurlui, S., Agop, M., Focsa, C., **Oscillatory regimes of Langmuir probe current in femtosecond laser-produced plasmas: Experimental and theoretical investigations**, (2019) Applied Surface Science, 481, pp. 125-132.
30. Bulai, G., Pompilian, O., Gurlui, S., Nemec, P., Nazabal, V., Cimpoesu, N., Chazallon, B., Focsa, C., **Ge-Sb-Te chalcogenide thin films deposited by nanosecond, picosecond, and femtosecond laser ablation**, (2019) Nanomaterials, 9 (5), art. no. 676
31. Cocean, I., Cocean, A., Pohoata, V., Iacomi, F., Gurlui, S., **City water pollution by soot-surface-active agents revealed by FTIR spectroscopy**, (2019) Applied Surface Science
32. Irimiciuc, S.A., Bulai, G., Gurlui, S., Agop, M., **On the separation of particle flow during pulse laser deposition of heterogeneous materials - A multi-fractal approach**, (2018) Powder Technology, 339, pp. 273-280

33. Irimiciuc, S., Bulai, G., Agop, M., Gurlui, S., **Influence of laser-produced plasma parameters on the deposition process: in situ space- and time-resolved optical emission spectroscopy and fractal modeling approach**, (2018) Applied Physics A: Materials Science and Processing, 124 (9), art. no. 615
34. Pelin, V., Rusu, O., Cazacu, M.M., Gurlui, S., Sandu, A.V., Radinschi, I., Ciocan, V., Sandu, I., **Assessment of Hydrophobic Coating on Porous Calcareous Rocks Surface Exposed in Urban Ambient Air Pollution**, (2018) IOP Conference Series: Materials Science and Engineering, 374 (1), art. no. 012091
35. Leontie, L., Danac, R., Carlescu, A., Doroftei, C., Rusu, G.G., Tiron, V., Gurlui, S., Susu, O., **Electric and optical properties of some new functional lower-rim-substituted calixarene derivatives in thin films**, (2018) Applied Physics A: Materials Science and Processing, 124 (5), art. no. 355
36. Bulai, G., Rusu, O., Cazacu, M.M., Tudorache, F., Chazallon, B., Focsa, C., Gurlui, S., **Structural, magnetic and humidity sensing properties of rare earth doped cobalt ferrite thin films synthesized by pulsed laser deposition**, (2018) Journal of Ovonic Research, 14 (2), pp. 119-128.
37. A. Cocean, V. Pelin, M. M. Cazacu, I. Cocean, I. Sandu, S. Gurlui, F. Iacomi, **Thermal effects induced by laser ablation in non-homogeneous limestone covered by an impurity layer**, Applied Surface Science 424 (2017) 324–329), <http://dx.doi.org/10.1016/j.apsusc.2017.03.172>
38. A. Cocean, I. Cocean, S. Gurlui, F. Iacomi, **Study of the pulsed laser deposition phenomena by means of Comsol Multiphysics**, U.P.B. Sci. Bull., Series A, Vol. 79, Iss. 2, 2017
39. A. Cocean, I. Cocean, C. Postolachi, N. Cimpoesu, F. Husanu, B. Munteanu and S. Gurlui, **Copper Sulfate Pentahydrate Target Behavior During Pulsed Laser Deposition to Produce Dichroic Coatings for Beam Splitters**, IOP Conf. Series: Materials Science and Engineering 877 (2020) 012005, doi:10.1088/1757-899X/877/1/012005
40. I. Cocean, M. Diaconu, A. Cocean, C. Postolachi and S. Gurlui, **Landfill Waste Fire Effects Over Town Areas Under Rainwaters**, IOP Conf. Series: Materials Science and Engineering 877 (2020) 012048, doi:10.1088/1757-899X/877/1/012048
41. S. Garofalide, M. Diaconu, I. Cocean, A. Cocean, V. Pelin, S. Gurlui and L. Leontie, **Study of Physico-Chemical Characteristics of Some Major Urban Air Pollutants**, IOP Conf. Series: Materials Science and Engineering 877 (2020) 012049, doi:10.1088/1757-899X/877/1/012049
42. S.A. Irimiciuc, G. Bulai, S. Gurlui, M. Agop, **On the separation of particle flow during pulse laser deposition of heterogeneous materials - A multi-fractal approach**, Powder Technology, vol 339, 273, (2018)
43. S. Irimiciuc, G. Bulai, M. Agop, S. Gurlui, **Influence of laser-produced plasma parameters on the deposition process: in situ space- and time-resolved optical emission spectroscopy and fractal modeling approach**, Applied physics a-materials science & processing Volume: 124 Issue: 9 Article Number: 615, (2018)
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47. S. A. Irimiciuc, S. Gurlui, P. Nica, C. Focsa, and M. Agop, **A compact non-differential approach for modeling laser ablation plasma dynamics**, Journal of Applied Physics 121, 083301 (2017)
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53. S. Gurlui, I. Sandu, N. Cimpoesu, V. Pohoata, I. G. Sandu, M. Strat, **Nanoaggregates and selforganization phenomena in polyurethane coumarine film**, Materiale plastic, vpl 54, pag 589 (2017)
54. A. Banica, E.D. Bobric, MM. Cazacu, A. Timofte, S. Gurlui, I. G. Breaban, **Integrated assessment of exposure to traffic-related air pollution in Iasi city, Romania**, Environmental Engineering and Management Journal, vol 16, pag 2147 (2017)
55. V. Pelin, O. Rusu, I. Sandu, V. Vasilache, S. Gurlui, AV Sandu, MM. Cazacu, I.G. Sandu, **Approaching on Colorimetric Change of Porous Calcareous Rocks Exposed in Urban Environmental Conditions from Iasi – Romania**, IOP Conference Series: Materials Science and Engineering, vol 209, 120080 (2017)
56. V. Pelin, I.G. Breaban, I. Sandu, S. Gurlui, **The atmospheric pollution influence on the surface structures of porous geomaterials in correlation with some natural radionuclides**, Revista de Chimie, vol 68, 1431 (2017)
57. S. Gurlui, E. Buruiana, I.G. Sandu, M. Strat, **The study of photoreversibility, photopolimerization and photocleavage properties of polyurethane coumarin by means of electronic spectrometry and AFM Methods**, Revista de Chimie, vol 68, 1632 (2017)
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Invited Lectures:

1. S. Gurlui, Keynote Speakers, INTERNATIONAL CONFERENCE ON INNOVATIVE RESEARCH, ICIR Euroinvent 2018,
2. S. Gurlui, P. Nica, M. Agop, M. Osiac, C. Focsa, *Two-temperature plasmas generated by femtosecond laser ablation of metallic targets*, 16th International conference on plasma, physics and applications, June 20-25, 2013, Magurele, Bucharest, Romania
3. S. Gurlui and C. Focsa, *Development of Laser-Produced Plasma Technology. Fundamentals and Applications*, 8th BPU, the 8th General Conference of Balkan Physical Union, 5-7 July 2012, Constanta, Romania.
4. O. G. Pompilian, G. Dascalu, S. Gurlui, C. Focsa, *Processing and characterization of advanced materials by laser ablation techniques*, 9th International Conference on Physics of Advanced Materials, 20 - 23 September 2012, Iasi, Romania;
5. O.G. Pompilian, G. Dascalu, S. Gurlui, C. Focsa, *Laser-induced plasma: fundamentals and applications*,

Physics Conference TIM-12, 27-30 November 2012, Timisoara, Romania.

6. C. Focsa, M. Ziskind, B. Chazallon, S. Gurlui, V. Nazabal, P. Nemec, *Laser ablation fundamentals and applications to the study of some inorganic materials with high technological potential*, 10th International conference Solid State Chemistry, Pardubice, Czech Republic, June 10-14, 2012
7. S. Gurlui, C. Focsa, P. Nica, M. Osiac, *High-Fluence Laser Ablation Plasma Dynamics: Fundamentals and Applications*, the 4-th National Conference of Applied Physics (CNFA-2010) in Iasi, Romania.
8. C. Focsa, S. Gurlui, M. Ziskind, *Transient plasmas generated by high-fluence laser ablation: Fundamentals and applications*, International Balkan Workshop on Applied Physics, Constanta, Roumanie, 7-9 juillet 2010
9. S. Gurlui, G. Strat, D. Lihtetchi, V. Hurduc and M. Strat, *Nanostructured surfaces and nanoagregates of photoreactive polymers in solutions and film state*, International Balkan Workshop on Applied Physics, Constanta, Roumanie, 7-9 juillet 2010
10. S. Gurlui, E. Buruiana, T. Buruiana, G. Strat, M. Strat, V. Pohoata, *Fluorescence properties of some polyurethane derivatives with stilbene and pyrene rings*, 47th microsposium. ADVANCED POLYMER MATERIALS FOR PHOTONICS AND ELECTRONICS, PRAGUE, 15 – 19 July 2007
11. G. Strat, M. Strat, S. Gurlui and D. Dimitriu, *Optogalvanic effect in nonlinear systems*, BPU-5, Vrnjacka Banja, Serbia and Montenegro, August 25-29, 2003

Organizing committee, member:

- Summer School: Physics and chemistry of the atmosphere: from laboratory experiments to field campaigns, "Alexandru Ioan Cuza" University of Iasi, Romania, 2 - 14 July, 2006
- Workshop entitled "Modern Techniques in Atmospheric Physics and Chemistry", University of Szeged, Hungary, 2 - 4 Mai, 2007;
- Physics and chemistry of the atmosphere: from laboratory experiments to field campaigns. "Ovidius" University of Constanta, Romania, 10 - 16 July, 2008.

Iasi, April, 2021

S. Gurlui

