

Europass Curriculum Vitae

Personal information

First name(s) / Surname **Cotirlan-Simioniuc Costel**
Address National Institute of Materials Physics, Atomistilor 405A, 077125 Magurele-Ilfov, Romania
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Nationality Romanian
Date of birth May 21, 1966
Gender Male

Desired employment / Occupational field

Physics

Work experience

Dates	November 2005 - present
Occupation or position held	Senior Researcher III (Jan.2019-present), Senior Researcher (Dec.2017-Dec.2018), Research Assistant (July 2006- Nov. 2017), Senior Researcher III (2005 - July 2006)
Main activities and responsibilities	Research and development, implementer of research projects
Name and address of employer	National Institute of Materials Physics, Atomistilor 405A, 077125 Magurele-Ilfov Romania
Type of business or sector	Government R&D
Dates	November 2001 – October 2005
Occupation or position held	Senior Researcher III
Main activities and responsibilities	Research and development, implementer of research projects, certification of medical products
Name and address of employer	National Institute of Optoelectronics-INOE 2000, Atomistilor 1, 077125 Magurele-Ilfov, Romania
Type of business or sector	Government R&D
Dates	October 1999-October 2001
Occupation or position held	Physicist Engineer
Main activities and responsibilities	Marketing
Name and address of employer	Sepadin Prodexport SRL, CNPR Printing House, FinWatch Publishing House
Type of business or sector	Private sector
Dates	October 1992-September 1999
Occupation or position held	Researcher (1992-1994), Senior Researcher III (1995-1999)
Main activities and responsibilities	Research and development, implementer of research projects, certification of optoelectronic products: Visible Laser Marker for infantry weapons-MLV 1
Name and address of employer	Institute of Optoelectronics S.A., Atomistilor 2, 077125 Magurele-Ilfov, Romania
Type of business or sector	Private R&D sector
Dates	September 1990-October 1992
Occupation or position held	Physicist Engineer (1990-1992)
Main activities and responsibilities	Research and development, lasers and electronics
Name and address of employer	Electromagnetica S.A. Special Application Laboratory, Bucharest, Romania
Type of business or sector	Private R&D sector

Education and training

Dates October 1, 2006 - September 30, 2011
Title of qualification awarded PhD in Physics

Principal subjects/occupational skills covered Surface science (Angle-resolved evanescent-wave cavity ring-down spectroscopy, X-ray photoelectron spectroscopy), optoelectronics: diode lasers, Nd:YAG, Er:YAG, Ho:YAG, tunable lasers, photodetectors, optics, IR imaging, imaging polarimetry, metasurfaces.

Name and type of organisation providing education and training University of Bucharest

Level in national or international classification PhD

Dates September 15, 1985 - June 15, 1990

Title of qualification awarded Physicist Engineer

Principal subjects/occupational skills covered Condensed matter physics and semiconducting devices

Name and type of organisation providing education and training University of Bucharest, Faculty of Physics, Department of Technological Physics

Level in national or international classification MSc

Personal skills and competences

Mother tongue(s) Romanian

Other language(s) English, French

Self-assessment
European level (*)

English

French

Understanding				Speaking				Writing	
Listening		Reading		Spoken interaction		Spoken production			
C2	proficient	C2	proficient	C2	proficient	C2	proficient	C2	proficient
C2	proficient	C2	proficient	C1	experienced	C1	experienced	C2	proficient

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

Organisational skills and competences UEFISCDI ID (UEF-iD): U-1700-039Q-6027

Technical skills and competences Specific skills in Laser Spectroscopy and Optical Characterization of Surfaces and Interfaces

Computer skills and competences Microsoft Office, Corel Draw, Origin, Dreamweaver, Flash, Freehand, Photoshop, Web Designer

Artistic skills and competences Designer

Driving licence No

Annexe

Publication list (<http://www.researcherid.com/rid/B-4748-2012>), Books, Patent list, Projects

Publications, projects and communications list

PhD Thesis:

"Studii de caracterizare prin metode structurale si optice a suprafetelor si interfetelor", 2011, Universitatea din Bucuresti, Conducator Stiintific Dr. Stefan Frunza (<http://www.unibuc.ro/studies/index.php>).

Book:

"Structural and optical methods for the study of surfaces and interfaces" Mihail Florin Lazarescu, Adrian Stefan Manea, Constantin Logofatu, Rodica Ghita, Costel Cotirlan-Simioniuc, Ed. Electra, 144 p, 2009.

e-Books:

"Practica conspiratiei", Ed. Digitala, ISBN 978-606-8-74901-3, 1.53 MB, 2015;

"Vindecarea cancerului si regenerarea fiintei-Imaginea de ansamblu", ISBN 978-973-0-26286-5, 92 p, 2018.

Chapters of book:

"Study of SiO₂/Si Interface by Surface Techniques" in book: "Crystalline Silicon - Properties and Uses", Editor: Sukumar Basu, Ed. Intech Open, ISBN 978-953-307-587-7, July 2011;

"Surface Modification of III-V Compounds Substrates for Processing Technology" in book: "Nanoscaled Films and Layers", Editor: László Nánai, University of Szeged, Hungary, Ed. IntechOpen, ISBN 978-953-51-3143-4, <http://www.intechopen.com/articles/show/title/surface-modification-of-iii-v-compounds-substrates-for-processing-technology>, DOI : [10.5772/67916](https://doi.org/10.5772/67916), May 24, 2017.

Marketing: "The development of photovoltaic cells at INCDFM - past, present and future"- Dr. Costel Cotirlan-Simioniuc, Market Watch no. 249 (November 2022), page 22.

Publications in ISI-quoted journals:

1. "Nd-YAG Laser System for Ophthalmology: BIOLASER-1"- D. Savastru, S. Miclos, **C. Cotirlan**, E. Ristici, M. Mustata, M. Mogildea, G. Mogildea, T. Dragu, R. Morarescu, J. Optoelectron. Adv. Mater., 6 (2), p. 497-502, June 2004.
2. "A data acquisition, processing and storage system for an ophthalmic instrument: FOTOBIOFTAL-1"- S. Miclos, M. Mustata, D. Savastru,
3. **C. Cotirlan**, T. Brezeanu, E. Ristici, A. Stefanescu-Dima, J. Optoelectron. Adv. Mater., 7 (3), p. 1651-1655, June 2005.
4. "Spectral response of Au-Ti Schottky barrier on semi-insulating GaAs" - R. V. Ghita, C. Logofatu, C. Negriila, **C. Cotirlan**, P. Ghita, A.S. Manea, M.F. Lazarescu, Physica Status Solidi (A) 204, 4, 1025-1029, 2007.
5. "ARXPS analysis of silicon oxide films" - C. C. Negriila, **C. Cotirlan**, F. Ungureanu, C. Logofatu, R. V. Ghita, M. F. Lazarescu, J. Optoelectron. Adv. Mater., 10 (6), p. 1379-1383, 2008.
6. "Angle-resolved XPS structural investigation of GaAs surfaces"-C.C. Negriila, C. Logofatu, R. V. Ghita, **C. Cotirlan**, F. Ungureanu, A.S. Manea, M.F. Lazarescu, J. Crystal Growth 310, 1576-1582, 2008.
7. "Thin films of Cu(II)-o,o'-dihydroxy azobenzene nanoparticle-embedded polyacrylic acid (PAA) for nonlinear optical applications developed by matrix assisted pulsed laser evaporation (MAPLE)"- C. Constantinescu, Ana Emami, Cristina Vasiliu, C. Negriila, C. Logofatu, **C. Cotirlan**, M. Lazarescu, Appl. Surf. Sci. 255, 5480-5485, 2009.
7. "XPS analysis of n-GaP(111) native and etched surfaces"- **C. Cotirlan**, C. Logofatu, C. C. Negriila, R. V. Ghita, A.S. Manea, M.F. Lazarescu, J. Optoelectron. Adv. Mater., 11 (4), 386-390, 2009.
8. "Nanostructured gold layers I. Deposition by Vacuum evaporation at small angles of incidence"- T. Beica, S. Frunza, I. Zgura, L. Frunza, **C. Cotirlan**, C. Negriila, A. M. Vlaicu, C.N. Zaharia, J. Optoelectron. Adv. Mater., 12 (2), 347-353, 2010.
9. "Nanostructured gold layers III. Functionalization of gold layers deposited onto polystyrene substrate" - I. Zgura, T. Beica, S. Frunza, L. Frunza, **C. Cotirlan**, F. Ungureanu, N. Gheorghe, O. Rasoga, M. Baibarac, C. Zaharia J. Optoelectron. Adv. Mater., 12 (8) , 1729-1738, 2010.
10. "The study of the silicon oxides thickness on crystalline Si by X-ray Photoelectron Spectroscopy and Spectroscopic Ellipsometry"- **C. Cotirlan**, A.C. Galca, C.S. Ciobanu, C. Logofatu, J. Optoelectron. Adv. Mater., 12 (5), 1092-1097, 2010.
11. „Angle-resolved evanescent-wave cavity ring-down spectroscopy for thin film-solid interface characterization”, **C. Cotirlan**, C. Logofatu, A. Rizea, M.F. Lazarescu, Optoelectron. Adv. Mater.-Rapid Comm., 5 (7), 709-714, 2011.
12. "Direct optical absorption measurements in gaseous media by the cavity ring-down spectroscopy technique for the development of a lossmeter", **C. Cotirlan-Simioniuc**, C. Logofatu, M.F. Lazarescu, Romanian Reports in Physics, 63 (4), 1070-1082, 2011.
13. "Study of thiols deposition on GaAs", R.V. Ghita, **C. Cotirlan**, F. Ungureanu, C. Florica, C.C. Negriila, Optoelectron. Adv. Mater.-Rapid. Comm., 6 (1-2), 239-244, 2012.
14. "On the passivation of GaAs surface by sulfide compounds", R.V. Ghita, C.C. Negriila, **C. Cotirlan**, C. Logofatu, Digest Journal of Nanomaterials and Biostructures, 8 (3), 1335-1344, 2013.
15. „The evanescent-wave cavity ring-down spectroscopy technique applied to the investigation of thermally grown oxides on Si(100)", **C. Cotirlan-Simioniuc**, R. V. Ghita, C. C. Negriila, C. Logofatu, Applied Physics A: 117 (3), 1359, 2014.
16. "Optical Characteristics of Sulphur-passivated n-GaAs(100) surface", R. V. Ghita, C. E. A. Grigorescu, M. Secu, D. Predoi, F. Frumosu, **C. Cotirlan**, I. D. Feraru, Digest Journal of Nanomaterials and Biostructures, Vol.9, 1471-1478, 2014.
17. "Aspects of native oxides etching on n-GaSb(100) surface", **C. Cotirlan**, R.V. Ghita, C.C. Negriila, C. Logofatu, F. Frumosu, G.A. Lungu, Applied Surface Science 363, 83-90, 2016.
18. "FDTD investigations for the fabrication of sub-wavelength metal wire-grid polarizer and quarter waveplate", **C. Cotirlan-Simioniuc**, C. Logofatu, G. Iordache, A. Rizea, D.V. Ursu, C. Marin, J. Optoelectron. Adv. Mater., 18(11-12), 922 – 927, 2016.

19. "XPS analysis of AuGeNi/cleaved GaAs(110) interface", C. C. Negrila, M. F. Lazarescu, C. Logofatu, **C. Cotirlan**, R. V. Ghita, F. Frumosu, L. Trupina, Journal of Nanomaterials, Article ID 7574526, 6 pages, <http://dx.doi.org/10.1155/2016/7574526>, 2016.
20. „An X-Ray Photoelectron Spectroscopy depth profile study on the InGeNi/(110) cleaved GaAs structure”, C. Negrila, C. Logofatu, R.V. Ghita, C. Cotirlan, M.F. Lazarescu, Materials Science in Semiconductor Processing 82, 62–66 <https://doi.org/10.1016/j.mssp.2018.02.022> 2018.
21. „Review of ultracompact polarization components for infrared imaging systems: from wire-grid structured surfaces to reconfigurable metasurfaces”, C. Cotirlan-Simioniu, A. Rizea, C. Marin, J. Optoelectron. Adv. Mater. 20 (5-6), 236, 2018.

<http://www.researcherid.com/rid/B-4748-2012> , h-index=6.

Registered patent applications	
“Method and measurement device of optical properties for thin films deposited on TIR surfaces or interfaces”, C. Cotirlan-Simioniu , M.F. Lazarescu, Patent 128062/2018 , BOPI 12/2012, pp.46.	Gold medal at Brussels Innova 2012 and Silver medal at Pro Invent, Cluj-Napoca, 2013
“Sensor with nanostructured surface for monomolecular resonant detection techniques”, C. Cotirlan-Simioniu , Patent 129117/2018 , BOPI 12/2013, pp.41.	Bronze medal at Pro Invent, Cluj-Napoca, 2013
“Detection system with nanostructured surfaces for biosensors and imaging with resolution below diffraction limit”, C. Cotirlan-Simioniu , M.F. Lazarescu, A/00244/25.03.2013, BOPI nr. 9/2014 , pp.32.	Gold medal at Pro Invent, Cluj-Napoca, 2014
“Structure of electro-optical superlens performed with micro- or nanostructured plasmonic guide for imaging with resolution below the diffraction limit”, C. Cotirlan-Simioniu , A. S. Manea, C. Logofătu, Patent 131292/2021.	Silver medal at Euroinvent, Iasi, 2015
“Optoelectronic device with electric configurable meta-surface for the control of the light polarization and for obtaining the optical resolution below classical diffraction limit”, C. Cotirlan-Simioniu , A. Rizea, D.V. Ursu, A/00186/16.03.2016.	Silver medal at Euroinvent, Iasi, 2016
„Ochelari cu metasuprafete plasmonice”, C. Cotirlan-Simioniu , A. Rizea, C. Marin, Brev. 132835/2022, BOPI nr.6/2022.	Silver medal at Euroinvent, Iasi, 2017
„Ochelari cu metasuprafete active pentru imbunatatirea perceptiei imaginilor in conditii dificile de vizibilitate”, C. Cotirlan-Simioniu , A/00815/18.10.2018	Silver medal at Pro Invent, Cluj-Napoca, 2018
„Superlens structure with metasurface for conversion of interface waves into propagating waves, and their focusing in far-field”, C. Cotirlan-Simioniu, A/00578/20.09.2019	
„Superlenta cu metasuprafata controlata electric pentru modificarea continua a directiei sau focalizarii fasciculului optic refractat”, C. Cotirlan-Simioniu, A00386/06.07.2020	
“Metasuprafete integrate intr-o structura activa compacta pentru controlul polarizarii si marii imaginilor fara aberatii optice, utilizand cristale piezoelectrice”, C. Cotirlan-Simioniu, A00156/2021	
“Fototranzistor unijonctiune iluminat transversal cu metasuprafata integrata”, C. Cotirlan-Simioniu, A00080/2022	
“Celulă solară tandem cu o structură metal-oxid-semiconductor și metasuprafață integrate”, C. Cotirlan-Simioniu, Ionut-Romeo Schiopu, A00434/2022	

Publications in non-quoted journals or conferences:

"Distributie unghiulară îngustă la diode laser cu structură LOC asimetrică"-I.B.Petrescu-Prahova, S. Lazanu, M. Lepsa, R.Dima, P. Mihailovici, C. Cotirlan , CAS '88 Editia a 11-a, Sinaia, 12-16 October 1988
„Structures based on chalcogenide glasses for holographic storage”- V. Bivol, A. Prisacari, G. Triduh, C. Cotirlan , B. Balasoiu, Romanian Journal of Optoelectronics, vol.6, no.4, 39-44 (1998)
"Absorption in a self-heating He-Se laser tube"-M. Ristici, E. Ristici, M. Tivărus, B. Iliescu, C. Cotirlan , National Institute of Materials Physics, SPIE Vol. 4068 (2000), 278-283
"Nd:YAG laser for a <i>Biolaser-1</i> ophthalmic system"- C. Cotirlan , Marina Mustată, S. Miclos, Esolina Ristici, Doina Dimulescu, M. Garais, ROMOPTO 2003, 7-11 Sept. 2003, Constanta, SPIE Vol. 5581, 2004, 180-187
"Nd:YAG laser system for ophthalmic microsurgery"- D. Savastru, E. Ristici, T. Dragu, C. Cotirlan , S. Miclos, M. Mustata, The 13 th International School on Quantum Electronics: Laser Physics and Applications, April 2005, St. Petersburg, Rusia, SPIE Vol. 5830, 2005, 454-458
„Er: YAG Laser Skin Perforator” -D. Savastru, S. Miclos, C. Cotirlan , Marina Mustata, Esolina Ristici, Teodora Brezeanu, Simona Dontu, M.I.Rusu, V. Savu, Intern. Conf. ICAMaT 2005 Bucuresti, pag.106-109, 3-4 November 2005
„Influence of the polyethylene on the polarisation properties of monochromatic laser light”-E. Ristici, C. Opran, D. Savastru, C. Cotirlan , S. Dontu, T. Brezeanu, E. Grosu, E. Nemes, T. Petrescu, Intern. Conf. ICAMaT 2005 Bucuresti, 51-54, 3-4 November 2005
„A surgical laser for ophthalmologic stereomicroscope”-D. Savastru, S. Miclos, C. Cotirlan , M. Mustata, E. Ristici, T. Brezeanu, S. Dontu, M. Rusu, V. Savu, Intern. Conf. ICAMaT 2005 Bucuresti, 101-104, 3-4 November 2005

"Optical studies of TiO ₂ films deposited on different substrates"- C.Cotirlan , V. Vasile, F. Ungureanu, SPIE Vol. 6785, 6 pages, August 2007.		
„The properties of Schottky Junction on Au-Ti/GaAs Structures”, C. Cotirlan , Florica Ungureanu, Catalin Negriila, Revista "Electrotehnica, Electronica, Automatica", Ed. Electra, S.C. ICPE S.A, vol.55, no.1, 35-38, 2007.		
Programme / Implemented projects	Function	Periode
RELANSIN/Sistem complex de microscop cu laser pentru aplicatii in tratarea operatorie si postoperatorie a afectiunilor oculare cu incidenta crescuta-BIOLASER-1 Homologation of the product at SVIAM	Implementer	Oct.2001- Dec. 2004
RELANSIN/ Echipament cu laser pentru tratamente si iradiieri la fluente reduse	Implementer	Mar. 2003- Jul. 2004
RELANSIN/Biomicroscop modernizat cu laser fotodisruptor pentru interventii microchirurgicale oftalmologice	Implementer	Oct. 2004- Oct. 2005
RELANSIN/Sistem cu laser pentru prelevarea probelor sangvine	Implementer	Sept. 2004- Oct. 2005
CERES/Sistem opto-mecanic pentru atenuarea controlata a unui fascicul laser	Implementer	Nov. 2004- Oct. 2005
CERES/Optimizarea tratamentului termic de durificare cu laser in vederea cresterii rezistentei la uzare-coroziune a otelurilor inoxidabile	Responsible of project	Nov. 2004- Oct. 2005
MENER/Structuri de detectori de radiatii nucleare si radiatie X pentru estimarea riscului radiologic asupra mediului	Implementer	Nov. 2005- Jul. 2006
INFRAS/ Acreditarea în concordanță cu SR EN ISO / CEI 17025:2005 a încercării prin XPS din Laboratorul Materiale Avansate pentru Aplicații Speciale din INCDFM – sprijin în implementarea directivelor 2002/95/UE (RoHS) și 2002/96/EC (WEE)	Implementer	2006-2008
PNCDI II/Metode optice/spectroscopice de sesizare si masurare a schimbarii/poluarii/deteriorarii structurii si compozitiei mediului ambiant normal	Implementer	Sept. 2007-Nov. 2010
PN09-450101Core programme/Abordări complexe in studiul proceselor si fenomenelor fizice in materia condensata	Implementer	2011
PNCDI II: New Bimetallic nanoparticles with applications in water CLEANing of chlorinated compounds and BIOSensors"	Implementer	2012-2015
Core programme/ Contract: 45N/ 01.03.2009; Act ad.nr.3/2014 Proiectul : PN09-450102 Prepararea si caracterizarea materialelor cu dimensionalitate redusa, Faza 2: Spectroscopia ultrasenzitiva de absorbtie cu cavitate rezonanta in unda evanescenta pentru studiul starii condensate si a monitorizarii mediului	Implementer	2014
PNCDI II: New approaches in achievement of infrared ultracompact polarization components for high efficiency imaging, contract 277/2014.	Implementer	2014-2017
PNCDI II: Innovative technology for photovoltaic converters with III-V compounds, contract 68/2014.	Implementer	2014-2017
Core programme/ Contract: 10N/10.03.2016; Act ad.1/2017, PN16480103: Materiale functionale si structuri cu impact tehnologic; noi dispozitive si metode de sinteza si de analiza, Faza nr. 3: Realizarea și caracterizarea de metasuprafețe plasmonice pentru componente optice cu rezoluție sub limita de difracție	Implementer	2017
PCCDI: Paradigme tehnologice in sinteza si caracterizarea structurilor cu dimensionalitate variabila, contract 75 PCCDI/2018	Implementer	2018-2021
Reviewer for Bridge Grant 2016 and PTE-2019.	Reviewer	2016, 2019

Presentations at international conferences:

1. "The characterization of semiconductor substrates with different coatings by optical SHG method"- **C. Cotirlan**, A. Sarcinschi, C. Negriila, C. Logofatu, 7-th IBWAP 2006, 5-7 July 2006, Constanta;
2. „Spectral response of Au-Ti Schottky barrier on semi-insulating GaAs"- R.V. Ghita, C. Logofatu, C. Negriila, **C. Cotirlan**, A.S. Manea, M.F. Lazarescu, 8th EXMATEC, p. 104, 14-17 May 2006, Cadiz, Spania;
3. „Characterization of Au-Ti Schottky barrier on semi-insulating GaAs at different temperatures"- **C.Cotirlan**, R.V.Ghită, C.Logofătu, C.Negriilă, P.Ghită, A.S.Manea, M.F.Lăzărescu, ATOM-N, 24-26 November 2006, Bucuresti;
4. "The investigation by optical SHG method of some semiconductor surfaces"- **C. Cotirlan**, Rodica V. Ghita, C. Negriila, Florica Ungureanu, M.F. Lazarescu, ROCAM 2006, p.208, 11-14 September 2006, Bucuresti;
5. "Atomic distributions of GaAs(100) surfaces after Ar⁺ ion sputtering studied by ARXPS"- **C. Cotirlan**, C. Logofatu, F. Ungureanu, C. Negriila, M.F. Lazarescu, IBWAP 2007, p.67, 5-7 July 2007, Constanta;
6. "Measurements of the thickness of the SiO₂ on crystalline Si substrates by ARXPS technique"- C. Negriila, **C. Cotirlan**, R. Ghita, F. Ungureanu, M.F. Lazarescu, IBWAP 2007, p.79, 5-7 July 2007, Constanta;

7. "Optical studies of TiO₂ films deposited on different substrates"- **C. Cotirlan**, V. Vasile, F. Ungureanu, Proceedings SPIE 2006, 0277-786X, v.6785-68;
8. "XPS analysis of GaAs(100) and GaP(111) exposed to etching agents"-**C. Cotirlan**, C. Negriila, F. Ungureanu, C. Logofatu, R.V. Ghita, A.S. Manea, M.F. Lazarescu, FARPhys 2007, Universitatea "Al.I. Cuza", Iasi, 25-28 October 2007;
9. "ARXPS analysis of n-GaP(111) native and etched surfaces"- **C. Cotirlan**, C. Logofatu, C. Negriila, F. Ungureanu, R.V. Ghita, M.F. Lazarescu, EXMATEC 2008, Technical University of Lodz, Polonia, 1-4 June 2008;
10. "Optical second-harmonic generation from GaAs(100) surfaces following chemical treatment and Ar⁺ ion sputtering"- **C. Cotirlan**, C. Negriila, IBWAP 2008, pag.64, 7-9 July 2008, Constanta;
11. "Sensor with nanostructured surface for resonant analysis techniques", **C. Cotirlan-Simioniuc**, C. Logofatu, R.V. Ghita, C.C. Negriila, BPU-2012, 5-7 July 2012, Constanta;
12. "Thermally grown oxides on Si(100) investigated by cavity ring-down spectroscopy", **C. Cotirlan-Simioniuc**, R.V. Ghita, C.C. Negriila, C. Logofatu, ROCAM, 28-31 August 2012, Brasov;
13. "Detection system with nanostructured surfaces for biosensors and imaging with resolution below the diffraction limit", **C. Cotirlan-Simioniuc**, C. Logofatu, R.V. Ghita, C.C. Negriila, IBWAP 2013, 4-6 July 2013, Constanta.
14. EVANESCENT-WAVE CAVITY RING-DOWN SPECTROSCOPY SYSTEM FOR GASES MONITORING, C. COTIRLAN-SIMIONIUC, R. V. GHITA, C. C. NEGRILA, C. LOGOFATU, IBWAP 2014, 2-4 July 2014, Constanta.
15. CAVITY RING-DOWN SPECTROSCOPY MEASUREMENTS ON HYDROXYAPATITE THIN FILMS, C. COTIRLAN-SIMIONIUC, R. V. GHITA, D. PREDOI, C. L. POPA, IBWAP 2014, 2-4 July 2014, Constanta.
16. FTDT INVESTIGATIONS FOR FABRICATION THE SUB-WAVELENGTH METAL WIRE-GRID POLARIZER, QUARTER WAVEPLATE AND SUPERLENS, C. COTIRLAN-SIMIONIUC, C. LOGOFATU, R. V. GHITA, A. S. MANEA, IBWAP 2015, July 2015, Constanta.
17. OXIDE LAYERS CHARACTERIZATION IN GaSb TECHNOLOGY FOR PHOTSENSITIVE STRUCTURES, C.Cotirlan, C.Logofatu, R.V.Ghita, F.Frumosu, M.Rusu, ROCAM 2015, July 2015, Bucuresti.
18. CHARACTERIZATION OF PLASMONIC METASURFACES FOR OPTICAL COMPONENTS ABLE TO MANIPULATE THE LIGHT BEYOND THE FUNDAMENTAL DIFFRACTION LIMIT, C. COTIRLAN-SIMIONIUC, C. LOGOFATU, C. C. NEGRILA, A.S. MANEA, IBWAP2016, 7-9 July 2016, Constanta;
19. RECONFIGURABLE PLASMONIC METASURFACES PROVIDE GREAT FLEXIBILITY IN THE DESIGN OF PHOTONIC DEVICES, Costel COTIRLAN-SIMIONIUC, Catalin Constantin NEGRILA, Adrian Stefan MANEA, Adrian RIZEA, Constantin MARIN, IBWAP2017, 11-14 July 2017, Constanta.
20. FUNCTIONAL METASURFACES FOR LOCALIZED SURFACE PLASMON RESONANCE ENHANCED ANGLE-RESOLVED EVANESCENT-WAVE CAVITY RING-DOWN SPECTROSCOPY, Costel COTIRLAN-SIMIONIUC, Catalin Constantin NEGRILA, Constantin LOGOFATU, IBWAP2018, 11-14 July 2018, Constanta;
21. "INTERCHANGEABLE METASURFACES FOR IMMUNOFLUORESCENT STAINING SENSOR AND SPECTROSCOPICAL SYSTEM" si "METASURFACES WITH AVAILABLE CHARACTERISTICS FOR POLARIZATION STATE ANALYZERS, SUPERLENSES OR ELECTRO-OPTICAL MODULATORS", Costel COTIRLAN-SIMIONIUC, Catalin Constantin NEGRILA, Constantin LOGOFATU, IBWAP2019, 16-19 July 2019, Constanta.
22. "Metasurface Integrated in Thin Solar Cells for Index Modulation", Costel Cotirlan-Simioniuc, Ionut-Romeo Schiopu, ATOM-N 2022, 25-28 Aug. 2022, Constanta.