



Bleotu Petrisor-Gabriel

WORK EXPERIENCE

IFIN-HH - EXTREME LIGHT INFRASTRUCTURE- NUCLEAR PHYSICS (ELI-NP) – MAGURELE, ROMANIA

ENGINEER – 11/2023 – CURRENT

Post compression of PW class scale lasers
Neutrons and protons production for medical applications and their diagnostics
Laser Damage Threshold setup responsible
Ultra short laser pulses metrology

IFIN-HH - EXTREME LIGHT INFRASTRUCTURE- NUCLEAR PHYSICS (ELI-NP) – MAGURELE, ROMANIA

LASER ENGINEER – 07/2017 – 11/2023

Compression and post-compression of ultra-intense laser pulses and their applications in nuclear physics;
Computer simulation for laser-matter interaction, nonlinear optics, and dispersion;
Laser Induced Damage Threshold and nonlinear coefficients measurements;
Ultra-short and ultra-intense laser pulses diagnostics;
High-power laser system engineering and maintenance.

HORIA HULUBEI NATIONAL INSTITUTE FOR PHYSICS AND NUCLEAR ENGINEERING (ELI-RO-NP PROJECT) – MAGURELE, ROMANIA

JUNIOR ENGINEER – 10/2016 – 08/2017

- Study the interactions of high power laser with matter ;
- Numerical simulations for the experiments- beam propagation method ;

NATIONAL INSTITUTE FOR LASER, PLASMA AND RADIATION PHYSICS, CETAL DEPARTMENT – MAGURELE, ROMANIA

RESEARCH ASSISTANT – 09/2015 – 12/2016

- Characterization of quantum cascade lasers (QCL) and optical properties of MID-IR detectors;
- Optimizing and tests with nanosecond pulsed tunable laser system;
- Maintenance of 1PW laser;
- Development of experimental configurations using optical fibers and optical fiber sensors;
- Integration of several systems using LabView programming.

EDUCATION AND TRAINING

11/2023 – 12/2024 Magurele, Romania

POST-DOCTORATE Extreme Light Infrastructure Nuclear Physics

09/2018 – 29/11/2023 Bucharest, Romania

PH. D. Cotutelle between University of Bucharest, Faculty of Physics and Institut Polytechnique de Paris

Final grade Excelent | **Thesis** Investigation of pulse duration reduction and intensity increase of Petawatt-class laser systems

08/2017 – 06/2018 Paris, France

MASTER DEGREE: LASER, OPTICS, MATTER Institut d' Optique Graduated School, University Paris-Saclay

09/2016 – 06/2018 Bucharest, Romania

MASTER DEGREE: APPLICATIONS IN ENGINEERING OF LASERS AND ACCELERATORS Politehnica University of Bucharest

LANGUAGE SKILLS

Mother tongue(s): **ROMANIAN**

Other language(s):

	UNDERSTANDING		SPEAKING		WRITING
	Listening	Reading	Spoken production	Spoken interaction	
ENGLISH	C1	C1	C1	C1	C1
FRENCH	B2	B2	B1	B1	B1
GERMAN	A2	A2	A2	A2	A2

Levels: A1 and A2: Basic user; B1 and B2: Independent user; C1 and C2: Proficient user

HONOURS AND AWARDS

Honours and awards

Best PhD Thesis of Univ. Of Bucharest 2024, of Senat Prices
PhD thesis awarded with „*summa cum laude*”.
Alumni of the University of Bucharest, Politehnica
ELI-NP students president
Ambassador France Alumni Roumanie, 2023
Best poster award at SPIE Laser Damage 2023
Valedictorian diploma at the Department of Applied Sciences - UPB, 2016

JOB-RELATED SKILLS

Job-related skills

-Several experiments with research teams involving 10 PW, 1PW laser, 500 TW laser, GW laser, QCLs (3000 um -12 um), Ti- Saphire laser, tunable laser "Sunlite Ex-OPO" (200 -1700 nm) and pulsed laser Nd: YVO4, Nd: YAG, Quantel;
- LabVIEW programming for the integration of multiple devices;
- Good control of the handling of optical components and laser alignment;
- Multi-tasking in different types of research activities.

OTHER SKILLS

Other skills

Certificate in Psychology, Pedagogy, and Entrepreneurship;
3* Internship at IZEST- International Center for Zetta-Exawatt Science and Technology, Saclay, France;
Internship at LASERIX- Laboratoire de Accelérateur Lineaire, Orsay, France
Internship at INFLPR - SOLID-STATE QUANTUM ELECTRONICS, Magurele;

DIGITAL COMPETENCE

Digital Competence

Engineering software: NI LabView, Eagle, AutoCAD, OriginLab;
Programming languages: C ++, SQL, MATLAB, Mathematica, Python (advanced);
Good knowledge of Microsoft Office tools (ECDL certificate).

CONFERENCES AND PUBLICATIONS

Publications

<https://scholar.google.com/citations?user=BVYpYssAAAAJ&hl=ro>
H-index 7; 158 citations on 30 July 2025

1. M. Neagu, C. Constantin, M.E. Hinescu, **P.G. Bleotu**, M.-G. Popovici, M.-I. Zai, K.M. Spohr, Radionuclides Landscape in Prostate Cancer Theranostics, International Journal of Molecular Sciences 26 (2025) 6751. <https://doi.org/10.3390/ijms26146751>.

2. V. Horný, **P.G. Bleotu**, D. Ursescu, V. Malka, P. Tomassini, Efficient laser wakefield accelerator in pump depletion dominated bubble regime, *Phys. Rev. E* 110 (2024) 035202. <https://doi.org/10.1103/PhysRevE.110.035202>.

3. **P.-G. Bleotu**, et al., Exploring fs-laser irradiation damage subthreshold behavior of dielectric mirrors via electrical measurements, *High Power Laser Science and Engineering* 12 (2024) e15. <https://doi.org/10.1017/hpl.2023.98>.

4. **P.-G. Bleotu**, G. Mourou, et al., "Post-compression of high energy, sub-picosecond laser pulses", *High Power Laser Science and Engineering*, 11, 2023. <https://doi.org/10.1017/hpl.2023.10>

5. **P.-G. Bleotu**, et al., "Impact of 3MeV Energy Proton Particles on Mid-IR QCLs", **Nanomaterials** 13, 677, 2023. <https://doi.org/10.3390/nano13040677>
6. A. Chen, **G. Bleotu**, et al., "Non-thermal electron acceleration from magnetically driven reconnection in a laboratory plasma", **Nature Physics**, 19, 254–262, 2023. <https://doi.org/10.1038/s41567-022-01839-x>
7. J. Wheeler, **P.-G. Bleotu**, et al.; et al. Compressing High Energy Lasers through Optical Polymer Films. **Photonics** , 9, 715, 2022. <https://doi.org/10.3390/photonics9100715>
8. **P.-G. Bleotu**, et al., Spectral broadening for multi-Joule pulse compression in the APOLLON Long Focal Area facility. **High Power Laser Science and Engineering**, 10, E9, 2022, doi:10.1017/hpl.2021.61
9. V. Aleksandrov, **P.-G. Bleotu**, et. al., "Upgrading design of a multi-TW femtosecond laser", **Romanian Reports in Physics**, 72, 3, 2020.
10. **P.-G. Bleotu**, et.al. "Setup for quantum cascade lasers characterization using the labview programming environment" **Romanian Reports in Physics** 71, 901, 2019.
11. A. Stancălie, **P.-G. Bleotu**, et al. Arc-induced Long Period Gratings in standard and speciality optical fibers under mixed neutron-gamma irradiation. **Nature Sci Rep** 7, 15845, 2019

● NETWORKS AND MEMBERSHIPS

Member of European Physics Students (EPS), The International Society of Optics and Photonics (SPIE); President of The American Optical Society, Optica- student chapter 2022-2025 Ambassador France Alumni Roumanie; Alumni of Politehnica University of Bucharest

● COMMUNICATION AND INTERPERSONAL SKILLS

Communication and interpersonal skills

Team work experience acquired through participation in ELI-NP, INFLPR, IFIN-HH, IZEST, LASERIX, TITAN, SIOM, BLIC, GSI, LULI, Apollon and several collaboration with Peking, Parthenope, Warsaw Universities and also group projects at the University, the Student Association (A.S. POLI) and entrepreneurship;

STANDARDE MINIMALE APLICABILE ÎN CADRUL IFIN-HH
pentru acordarea gradelor profesionale de
Cercetător debutant (Cercetător științific – CS) și
Cercetător recunoscut (Cercetător științific gr. III – CS III)

Aprobate în ședința Consiliului Științific IFIN-HH din data de 27.02.2025 (Hotărârea CS nr. 5 / 27.02.2025)

Standarde minimale (IFIN-HH)

1) IFIN-HH stabilește punctaje de prag (P_{prag}) conform tabelului de mai jos.

	Cercetător Debutant (CS)	Cercetător Recunoscut (CSIII)
P_{prag}	0.50	1.50

2) În procesul evaluării activității științifice a candidatului se determină punctajul P astfel:

$P = P_1 + P_2$, unde

P_1 : pentru articole la care candidatul este autor, dar nu este prim-autor sau autor corespondent: $P_1 = \sum_i a_i / n_i^{ef}$

P_2 : pentru articole la care candidatul este prim autor sau autor corespondent: $P_2 = \sum_i a_i$

a_i = este scorul de influență absolut (Article influence score) al revistei științifice în care a fost publicat articolul i , corespunzător anului de publicare al acestuia conform <http://www.eigenfactor.org/> pentru articole publicate până în 2006 și Journal Citation report (Web of Science) începând cu anul 2007; în cazul în care anul de publicare nu se găsește în baza de date se va alege anul cel mai apropiat.

n_i^{ef} = reprezintă numărul efectiv de autori ai elementului i și se determină astfel:

n_i	dacă $n_i \leq 5$
$(n_i + 5)/2$	dacă $5 < n_i \leq 15$
$(n_i + 15)/3$	dacă $15 < n_i \leq 75$
$(n_i + 45)/4$	dacă $n_i > 75$

unde n_i este în general numărul de autori ai elementului i . În cazul publicațiilor din domeniul HEPP (High Energy Particle Physics) cu număr mare de autori, dacă articolul are la bază o notă internă a colaborării și candidatul este coautor al acestei note interne, atunci n_i^{ef} poate fi dat numărul de autori din nota internă.

Calitatea de prim-autor sau autor corespondent se stabilește pe baza mențiunilor din articol. Nu se iau în considerare în acest sens articolele la care autorii sunt indicați în ordinea alfabetică a numelui și candidatul este prim-autor exclusiv datorită numelui acestuia și ordonării alfabetice. În cazul publicațiilor HEPP cu număr mare de autori, dacă articolul are la bază o notă internă a cărei aprobare în vederea trimiterii la publicare a fost susținută de către autor, atunci autorul este considerat prim autor.

Fișa de autoevaluare aferentă standardelor minime:

Categoria de articole	Poziția în lista de lucrări	Punctaj	Detalii de calcul
Articole în reviste cotate ISI Thomson Reuters și în volume indexate ISI Proceedings pentru care candidatul nu este prim autor sau autor corespondent	i	a_i/n_i^{ef}	Journal of Fluorescence, 2011; 21(4):1421-9, AIS=0.506, nr. autori:6, nr ef:5.33
	1	0.187	https://doi.org/10.3390/ijms26146751 , International journal of molecular science, 2025, AIS= 1.222(2024), nr Autori 7, nr ef: 6
	2	0.127	https://doi.org/10.1103/PhysRevE.110.035202 . Physics Review E, 2024, AIS=0.636, Autori 5, nr ef: 5
	3	0.679	https://doi.org/10.1038/s41567-022-01839-x Nature Physics, 2023, AIS= 9.47, Autori 27, nr ef :14
	4	0.033	https://doi.org/10.3390/photonics9100715 Photonics MDPI, 2023, AIS= 0.369, Autori 18, nr ef: 11
	5	0.021	<i>Romanian Reports in Physics</i> , 72, 3, 2020, AIS=0.268, Autori 22, nr ef: 12.33
	6	0.226	https://doi.org/10.1038/s41598-017-16225-4 <i>Scientific reports</i> , 2017, AIS=1.356, Autori 7, nr ef :
Articole în reviste cotate ISI Thomson Reuters și în volume indexate ISI Proceedings pentru care candidatul este prim autor sau autor corespondent	..	a_i	
	1	0.909	https://doi.org/10.1017/hpl.2023.98 High Power lasers Science and Engineering, 2024, AIS= 0.909
	2	1.075	https://doi.org/10.1017/hpl.2023.10 High Power lasers Science and Engineering, 2023, AIS=1.075
	3	0.683	https://doi.org/10.3390/nano13040677 Nanomaterials (MDPI), 2023, AIS=0.683
	4	1.010	https://doi.org/10.1017/hpl.2021.61 High Power lasers Science and Engineering, 2022, AIS= 1.010
	5	0.269	<i>Romanian Reports in Physics</i> 71, 901, 2019, AIS=0.269.
TOTAL		5.219	

Anex: Dr. Gabriel Petrisor Bleotu

PhD: University of Bucharest (Romania) -Institut Polytechnique de Paris (France)

- **Affiliation:**

*ELI-NP, “Horia Hulubei” National Institute for Physics and Nuclear Engineering, 30
Reactorului Street, RO-077126 Bucharest-Magurele, Romania*

Scientific profile:

<https://scholar.google.com/citations?user=BVYpYssAAAAJ&hl=ro>

H-index 8; 172 citations on 12st Nov 2025

- **List of publications 2019-present**

1. M. Neagu, C. Constantin, M.E. Hinescu, **P.G. Bleotu**, M.-G. Popovici, M.-I. Zai, K.M. Spohr, Radionuclides Landscape in Prostate Cancer Theranostics, *International Journal of Molecular Sciences* 26 (2025) 6751. <https://doi.org/10.3390/ijms26146751>.
2. V. Horný, **P.G. Bleotu**, D. Ursescu, V. Malka, P. Tomassini, Efficient laser wakefield accelerator in pump depletion dominated bubble regime, *Phys. Rev. E* 110 (2024) 035202. <https://doi.org/10.1103/PhysRevE.110.035202>.
3. **P.-G. Bleotu**, R. Udrea, A. Dumitru, O. Uteza, M.-D. Mihai, D.G. Matei, D. Ursescu, S. Irimiciuc, V. Craciun, Exploring fs-laser irradiation damage subthreshold behavior of dielectric mirrors via electrical measurements, *High Power Laser Science and Engineering* 12 (2024) e15. <https://doi.org/10.1017/hpl.2023.98>.
4. **P.-G. Bleotu**, J. Wheeler, S.Yu. Mironov, V. Ginzburg, M. Masruri, A. Naziru, R. Secareanu, D.Ursescu, F. Perez, J. DeSousa, D. Badarau, E. Veuillot, P. Audebert, E. Khazanov, and G. Mourou, “Post-compression of high energy, sub-picosecond laser pulses”, *High Power Laser Science and Engineering*, 11, 2023. <https://doi.org/10.1017/hpl.2023.10>
5. **P-G. Bleotu**, Mihai, L., Sporea, D., Sporea, A., Straticiuc, M., Burducea, I., “Impact of 3MeV Energy Proton Particles on Mid-IR QCLs”, *Nanomaterials* 13, 677, 2023. <https://doi.org/10.3390/nano13040677>
6. Chien, A., Gao, L., Zhang, S., Ji, H., Blackman, E.G., Daughton, W., Stanier, A., Le, A., Guo, F., Follett, R., Chen, H., Fiksel, **G., Bleotu**, ... , Takizawa, R.,.”Non-thermal electron acceleration from magnetically driven reconnection in a laboratory plasma”, *Nature Physics*, 19, 254–262, 2023. <https://doi.org/10.1038/s41567-022-01839-x>
7. Wheeler, J.; **Bleotu, G.P.**; Naziru, A.; Fabbri, R.; Masruri, M.; Secareanu, R.; Farinella, D.M.; Cojocaru, G.; Ungureanu, R.; Baynard, E.; Demailly, J.; Pittman, M.; Dabu, R.; Dancus, I.; Ursescu, D.; Ros, D.; Tajima, T.; Mourou, G. Compressing High Energy Lasers through Optical Polymer Films. *Photonics* , 9, 715, 2022. <https://doi.org/10.3390/photonics9100715>

8. **Bleotu, P.**, Wheeler, J., Papadopoulos, D., Chabanis, M., Prudent, J., Frodin, M., . . . Mourou, G., Spectral broadening for multi-Joule pulse compression in the APOLLON Long Focal Area facility. *High Power Laser Science and Engineering*, 10, E9, 2022, doi:10.1017/hpl.2021.61
9. **P.-G. Bleotu** et.al. “Setup for quantum cascade lasers characterization using the LabVIEW programming environment” *Romanian Reports in Physics* 71, 901, 2019.
10. A. Stancălie. **P.-G. Bleotu** et al. Arc-induced Long Period Gratings in standard and speciality optical fibers under mixed neutron-gamma irradiation. *Scientific Reports* 7, 15845, 2019

Collaboration with teams from: ELI-NP, IFIN-HH, INFLPR, LULI, Apollon, LOA, LASERIX, IZEST, GSI, TITAN, NIF, NIST, CLPU, Univ. of Belfast, Univ. of Warsaw, J-Karen, ENEA, ELI-ALPS, ELI-Beamlines and companies such as: LaserOptik, UltrafastInovation, Okamoto, Layertech.

Patents:

1. S. Irimiciuc, V. Craciun, D. Ursescu and **P.-G. Bleotu** "Technique for laser induced damage threshold through synchrony measurements of compensation current and Langmuir Probe (LPTC)", no. A00534/29.09.2023
2. L. Mihai, R. Mihalcea, **P.-G. Bleotu**, M. Serbanescu and A. Stancălie "Method and in-field validation apparatus for radiometric calibration of high-spectral-resolution dual-optics spectroradiometric systems used for vegetation monitoring", no. A00240/16.05.2023
3. R. Mihalcea, **P.G. Bleotu**, L. Mihai, A. Stancălie, “Platforma de senzori multipli pentru monitorizarea integrate a radiației ionizante /MEMOIR– A/00374, 2024.”

Other relevant publications

1. **P.-G. Bleotu** et al.’ L'augmentation de l'intensité des impulsions laser ultra-courtes pour des applications médicales’, 13 symposium scientifique, Cluj, Romania, Proceedings paper, 2024
2. **P.G. Bleotu**, F. Al-Abedj, Y. Nakamiya, S. Popa, E. Matache, T. Jitsuno, D. Ursescu, Dispersion measurements results of mirrors contamination in vacuum, in: Laser-Induced Damage in Optical Materials 2024, SPIE, 2024: pp. 133–136. <https://doi.org/10.1117/12.3032766>.
3. T. Jitsuno, A. Toma, **P.G. Bleotu**, S. Popa, A. Grigore, A. Lazar, S. Rusnac, F. Al-Abedj, S. Vasilca, V. Vladutescu, Y. Nakamiya, M. Rosu, D. Ursescu, I. Dancus, C. Stancu, G. Dinescu, Countermeasures for the mirror carbonization in ELI-NP, in: Laser-Induced Damage in Optical Materials 2024, SPIE, 2024: pp. 137–141. <https://doi.org/10.1117/12.3032895>.
4. V.Aleksandrov, **P-G. Bleotu** et. al., “Upgrading design of a multi-TW femtosecond laser”, *Romanian Reports in Physics*, 72, 3, 2020

• List of publications presented at conferences 2019-2024

1. KM. Spohr, **G.-P. Bleotu**, M Jurca, M Neagu, and V Paunescu. “A new pathway towards immunotherapy-supported radiology (for Boron Neutron Capture Therapy)”. European Cancer Immunotherapy Conference, ECI 2024, Dublin, September 2024, ECI 2024 Abstrac book: pp. 1— 1764.
2. **P.-G. Bleotu**, “Pulse duration reduction and intensity increase for petawatt class lasers” YRED, Magurele, Romania, 2023.
3. **P.-G. Bleotu** et al., “LIDT station development with femtosecond pulses at ELI- NP”. In: Laser-Induced Damage in Optical Materials 2022. Vol. PC12300. *SPIE*, Dec. 2022. doi: 10.1117/ 12.2641616.
4. 65th ENC Experimental Nuclear Magnetic Resonance Conference, April 7-11, 2024 - *From Conventional to High-Power-Laser-Driven Irradiation: Timely Detection of Magnetic Resonance Biomarkers in Cells Cultures* - I. I. Fidel, D. Serafin, **P.G. Bleotu**, P.R. Vasos. – oral presentation
5. A 19-a Conferință Națională de Biofizică cu participare internațională CNB 2024 - Magnetic Resonance Studies for Timely Detection of Radiation Biomarkers in Cell Cultures - D. Serafin, I.I. Fidel, **P.G. Bleotu**, P.R. Vasos – poster
6. 5th Flash Radiotherapy and Particle Therapy Conference, December 2024 P. R. Vasos, I. Fidel, D. Serafin, A. Topor, S. Vasilca, D. Negut, G. Giubega, L. Neagu, **P.G. Bleotu**– Molecular detection for radiation dose-rate effects:NMR in Earth’s field and high magnetic fields – poster
7. Eleventh International Conference on Radiation, Natural Sciences, Medicine, Engineering, Technology and Ecology - June 2023 - virtual session - *Setup and protocol for high dose-rate irradiation of glioblastoma cells using secondary radiation from a high-power laser* - Fidel I.I., **Bleotu P.G.**, , Teșileanu O., Vasos P. R. - <https://doi.org/10.21175/rad.abstr.book.2023.10.4>
8. 4th Flash Radiotherapy and Particle Therapy Conference, December 5-7, 2023 - *Magnetic resonance biomarkers for timely detection of high dose-rate radiation effects in cells* - P. R. Vasos, D. Serafin, C. Zăgrean-Tuza, I. Fidel, M. Bacalum, G. Giubega, L. Neagu, **P.G. Bleotu**– poster
9. Bucharest University Faculty of Physics 2023 Meeting -Magnetic resonance biomarkers for timely detection of high dose-rate radiation effects in cells - D. Serafin, P. R. Vasos, C. Zăgrean-Tuza, I. Fidel, S. Vasilca, D. Neagu, **P.G. Bleotu**, M. Roșu, E. Hermann, M. Mirea, L. Niță, M. Iovea, O. <https://ssffb.fizica.unibuc.ro/SSFFB/Abstract.php?AbstractID=2146958464>
10. 20th European Magnetic Resonance Congress, EUROMAR 30 June – 4 July 2024 - NMR-036: From Conventional to High-Power-Laser-Driven Irradiation: Timely Detection of Magnetic Resonance Biomarkers in Cell Cultures – A. Voda, I. Fidel, **G. Bleotu**, , P.R. Vasos – poster – https://euromar2024.org/wp-content/uploads/2024/07/euromar-2024_poster_abstract_book.pdf

11. **P-G. Bleotu** et. al., “Laser induced damage threshold station developed at ELI-NP”, ELI-NP Annual Reports 2020-2021, 2022
12. **G. Bleotu** et. al, Metrology of high energy post-compressed laser pulses, Workshop STAMPLASS, Magurele, 2023. (2nd price -poster competition)
13. **P-G. Bleotu** et. al., “LIDT station development with femtosecond pulses at ELI-NP”, Rochester, New York, 2022.
14. Dancus, **P-G. Bleotu** et. al. “10 PW Peak Power Laser at the Extreme Light Infrastructure Nuclear Physics – status updates”, EOSAM, 2022.
15. Dancus, **P-G. Bleotu** et. al., “10 PW laser systems facility at ELI-NP”, ICUIL conference, South Korea, 2022.
16. L. Gao, **P-G. Bleotu**, et.al., “Direct measurement of non-thermal electron acceleration from magnetically driven reconnection in a laboratory plasma”, APS conference, 2022
17. **P-G. Bleotu** et. al., “Post-compression experiments. Towards Exawatt lasers”, ICLPR-ST conference, Romania, 2022.
18. A. Naziru, **P-G. Bleotu**, et. al., “Spectral Phase Characterization For Ultrashort Pulses Far From Fourier Limit Duration”, ICLPR-ST conference, Romania, 2022
19. D. Ursescu, **P-G. Bleotu** et.al., “Prospective HPLS Developments: the Future of the Extreme Light Infrastructure”, ICLPR-ST conference, Romania, 2022
20. **P-G. Bleotu** et. al., “Electron Beam Diagnosis Utilizing Fiber Bragg Gratings”, PHOTOPTICS22, Virtual conference, 2022
21. **P-G. Bleotu** et. al.,” Spectra broadening for post-compression experiments. Towards the next class of Exawatt lasers”, ERICE Summer School, Sicily, 2022
22. Y. Nakamiya, **P-G. Bleotu** et. al., “Experiment for mitigation of laser-induced contamination on the dielectric material with Oxygen injection at ELI-NP”, IBWAP conference, 2022
23. A.Stancalie, **P-G. Bleotu** et. al.,” Charged particle beam diagnostics utilizing custom designed optical fiber sensors”, ICLPR-ST conference, Romania, 2022
24. **P-G. Bleotu** et. al., “Novel inspection technique for online determination of Laser Induced Damage Threshold”, ELI Young Researchers DAYS conference, Magurele, 2022 (second place)
25. **P-G. Bleotu** et. al., “Experimental setup for fs-Laser Induced Damage Threshold measurements of optical films”, 2022 Spring Meeting of the European Materials Research Society (E-MRS), VIRTUAL Conference, 2022
26. Naziru, **P-G. Bleotu** et. al., "Spectral Phase Characterization For Ultrashort Pulses Far From Fourier Limit Duration", High-Brightness Sources and Light-Driven Interactions Congress, 2022;
27. **P-G. Bleotu**, et. al., “Experimental setup for optical films Laser Induced Damage Threshold measurements”, 13th International Conference on Physics of Advanced Materials (ICPAM-13) and the 4th Autumn School on Physics of Advanced Materials (PAMS-4) conference, Spain, 2021.

28. S. Zhang, **P-G. Bleotu** et. al., "Global field evolution in magnetic reconnection experiments using laser-powered capacitor coils", 62nd Annual Meeting of the APS Division of Plasma Physics conference, November 9-13, 2020 Memphis, Tennessee;
29. D. Ursescu, D. Matei, M. Talposi, V. Iancu, V. Aleksandrov, **P.G. Bleotu** et. al., "First HPLS Experiments at ELI-NP: Spectral Broadening in Thin Films", Frontier in Optics, 2020;
30. **P. Bleotu**, V. Aleksandrov, D. Ursescu, J. Wheeler, G. Mourou, "Study of thin films Kerr non-linearity towards Exawatt lasers", 69th Lindau Nobel Laureate Meeting conference, Germany, 2019;
31. V. Aleksandrov, **P. G. Bleotu**, D. Ursescu, Femtosecond Pulse Shortening Using Cascaded Quadratic Nonlinearities for High Temporal Contrast, CLEO Europe conference, Munich, Germany, 23-27 June, 2019