

Lista de lucrări

Dr. Ing. Grigore-Adrian Iordăchescu

a. Lucrări relevante

- [1] **G.A. Iordachescu**, J. Jacquet, *Synthesis of Resonant Cavities having Continuum Spectra by Genetic Algorithm*, Optik - International Journal for Light and Electron Optics, Volume 125, Issue 18, Pages 5264–5267, September, 2014, **ISI Impact Factor 2013: 0,769**, doi: [10.1016/j.ijleo.2014.06.050](https://doi.org/10.1016/j.ijleo.2014.06.050)
- [2] **G.A. Iordachescu**, X.Q. Wu, J. Jacquet, *Broad-band laser emission and optical mode-locking of a Fabry-Perot laser formed between two Linearly Chirped Fiber Bragg Gratings*, Proceedings of the SPIE 8257, Optical Components and Materials IX, 82570E, San Francisco (California), February, 2012, doi: [10.1117/12.906793](https://doi.org/10.1117/12.906793)
- [3] **G.A. Iordachescu**, J. Jacquet, *Modeling of tunnel junctions for current injection in vertical cavity surface emitting lasers (VCSELs)*, Proceedings of the SPIE, Volume 7211, pp. 721113-721113-12, San Jose (California), 2009, doi: [10.1117/12.808468](https://doi.org/10.1117/12.808468)
- [4] **G.A. Iordachescu**, X. Wu, J. Jacquet, *Synthesis of Negative Group Time Delay Bragg Gratings for Continuum Generation*, Proceedings of NUSOD 2011, pp. 165-166, 11th International Conference on Numerical Simulation of Optoelectronic Devices, Rome (Italy), 5-8 September 2011, doi: [10.1109/NUSOD.2011.6041197](https://doi.org/10.1109/NUSOD.2011.6041197)

b. Teza de doctorat

G.A. Iordachescu, *Synthesis of chirped Bragg mirrors for spectral widening of optical cavities* (fr. *Conception de cavités optiques à résonance élargie avec des miroirs de Bragg à pas variable*), NNT : 2013SUPL0021, teză susținută la Metz, 21 Octombrie, 2013, Conducător doctorat: Prof. Dr. Ing. Joel JACQUET, Adresă web: <https://tel.archives-ouvertes.fr/tel-00966886/>

c. Brevete de invenție și alte titluri de proprietate intelectuală

d. Cărți și capitole în cărți

e. Articole in extenso, publicate în revistele din fluxul științific internațional principal

G.A. Iordachescu, J. Jacquet, *Synthesis of Resonant Cavities having Continuum Spectra by Genetic Algorithm*, Optik - International Journal for Light and Electron Optics, Volume 125, Issue 18, Pages 5264–5267, September, 2014, **ISI Impact Factor 2013: 0,769**, doi: [10.1016/j.ijleo.2014.06.050](https://doi.org/10.1016/j.ijleo.2014.06.050)

f. Publicații in extenso, apărute în lucrări ale principalelor conferințe internaționale de specialitate

- [1] **G.A. Iordachescu**, X.Q. Wu, J. Jacquet, *Broad-band laser emission and optical mode-locking of a Fabry-Perot laser formed between two Linearly Chirped Fiber Bragg Gratings*, Proceedings of the SPIE 8257, Optical Components and Materials IX, 82570E, San Francisco (California), February, 2012, doi: [10.1117/12.906793](https://doi.org/10.1117/12.906793)

[2] **G.A. Iordachescu**, J. Jacquet, *Modeling of tunnel junctions for current injection in vertical cavity surface emitting lasers (VCSELs)*, Proceedings of the SPIE, Volume 7211, pp. 721113-721113-12, San Jose (California), 2009, doi: [10.1117/12.808468](https://doi.org/10.1117/12.808468)

[3] **G.A. Iordachescu**, X. Wu, J. Jacquet, *Synthesis of Negative Group Time Delay Bragg Gratings for Continuum Generation*, Proceedings of NUSOD 2011, pp. 165-166, 11th International Conference on Numerical Simulation of Optoelectronic Devices, Rome (Italy), 5-8 September 2011, doi: [10.1109/NUSOD.2011.6041197](https://doi.org/10.1109/NUSOD.2011.6041197)

[4] **G.A. Iordachescu**, J. Jacquet, *Design of Bragg gratings having negative group time delay for continuum generation*, Proceedings of the SPIE 8255, Physics and Simulation of Optoelectronic Devices XX, 82550U, San Francisco (California), 28 February, 2012, doi: [10.1117/12.909194](https://doi.org/10.1117/12.909194)

g. Alte lucrări și contribuții științifice

Postere:

[1] **G.A. Iordachescu**, J. Jacquet, *Optical Amplifiers realized with Linearly Chirped Gratings (Poster)*, Seminaire Ecole Doctorale EMMA (Metz), 14 Juin, 2012

[2] J. Jacquet, X. Wu, **A. Iordachescu**, Y. Houzelle, G-H. Duan, A. Accard, O. Drisse, G. Millot, A. Boucon, C. Michel, P. Tchofo Dinda, A. Garnache, *CONTINUUM : Concept de Laser à Cavité CONTINUUM et ses Applications (Poster)*, Journées Nationales en Nanosciences et Nanotechnologies, Strasbourg, 7-9 November 2011

[3] **G.A. Iordachescu**, J. Jacquet, *Grating Design Using the Genetic Algorithm (Poster)*, EU Doctorials (Ventron), 16-21 October, 2011

[4] **G.A. Iordachescu**, J. Jacquet, *Design of a Continuum Filter using Fiber Bragg Gratings Synthesis Algorithms (Poster)*, CD-ROM Proc. of ITSS Darmstadt (Germany), 9-15 July, 2011

[5] J. Jacquet, X. Wu, **G. A. Iordachescu**, *CONTINUUM : un nouveau concept de laser à cavité intégrée incluant un miroir de bragg à pas variable (Poster)*, INTERREG IV A NANODATA Journées sur les Nanotechnologies, **Poster** n°18, Metz (France), 24 November, 2010

[6] J. Jacquet, G.H. Duan, A. Garnache, G. Millot, X. Wu, **G. A. Iordachescu**, *Continuum : Concept de laser à cavité CONTINUUM et ses applications (Poster)*, J3N 2010, Journées Nationales en nanosciences et en Nanotechnologies, Lille (France), 8 November, 2010

[7] **G.A. Iordachescu**, J. Jacquet, *Verification of Continuum Condition for the case of Linearly Chirped Gratings (Poster)*, CD-ROM Proc. of ITSS Metz (France), 3-9 July, 2010

Prezentări:

[8] **G.A. Iordachescu**, J. Jacquet, *Conception de cavités photoniques à résonance élargie à base de miroirs de Bragg à pas variables (Présentation orale)*, Journées des doctorants, LMOPS Metz, 3-4 April, 2013

[9] **G.A. Iordachescu**, X. Wu, J. Jacquet, *Design of chirped gratings with negative group time delay for continuum generation (Présentation orale)*, Journées des doctorants, LMOPS Metz, 7-8 March, 2012

[10] **G.A. Iordachescu**, X. Wu, J. Jacquet, *Synthesis of Negative Group Time Delay Bragg Gratings for Continuum Generation (Présentation orale)*, Journées des doctorants, , LMOPS Metz, 4-5 April, 2011