

Lista de publicații Toadere Florin

Books Chapters

1. Toadere Florin: "Dispersion of a Laser Pulse at Propagation Through an Image Acquisition System," *Laser Systems for Applications*, Krzysztof Jakubczak (Ed.), ISBN: 978-953-307-429-0, InTech, Available at: <http://www.intechopen.com/books/laser-systems-for-applications/dispersion-of-a-laser-pulse-at-propagation-through-an-image-acquisition-system>
2. Toadere Florin: "Color Vision And The Wavefront Aberrations Of The Human Eye," *Medical Physics*, Marcin Balcerzyk (Ed.), ISBN: 978-1-62257-611-1, Nova Publishers

Journals

1. Toadere Florin, RaduStancu et al, "1 MHz akinetic dispersive ring cavity swept source at 850 nm," *IEEE Photonic Technology Letters*, 29 (11), (2017)
2. Chin Catherine; Toadere Florin; Feuchter Thomas et al "Acousto-optic tunable filter for dispersion characterization of time-domain optical coherence tomography systems," *Applied Optics* 55(21), pg. 5707-5714, (2016).
3. Toadere Florin "Simulating the functionality of a digital camera pipeline," *Optical Engineering* 52(10) Article Number: 102005, (2013).

ISI Journals with zero impact

1. Toadere Florin: "A study about illumination and colors vision", *Journal of Physics: Conference Series*, Vol. 182, (2009).
2. Florin Toadere, RaduArsinte: "Simulation of the photodetection in the PPS CMOS sensors", *Advanced Engineering Forum*, Vols. 8-9, (2013).

ISI Conferences

1. Toadere Florin: "Simple image acquisition system optoelectronic analysis", *2006 IEEE-TTTC International Conference on Automation, Quality&TestingRobotics AQTR 2006*, Cluj-Napoca, May 25-28, 2006.
2. Toadere Florin: "A global study about optical 4 f image processing filters", *ATOM-N 2006 The 3 rd of the international conference advanced topics in optoelectronics*,

microelectronics and nanotechnologies, 24-26 November 2006, Bucharest, Romania, Proc. SPIE 6635.

3. Toadere Florin: "Simple LSI image acquisition system analysis", *ATOM-N2006 The 3rd of the international conference advanced topics in optoelectronics, microelectronics and nanotechnologies*, 24-26 November 2006, Bucharest, Romania, Proc. SPIE 6635.
4. Toadere Florin: "Simulation of an image acquisition system", *ISSE 2007 30th International Spring Seminar on Electronics Technologies*, May 9-13 Cluj Napoca, Romania, IEEE Xplore digital library.
5. Toadere Florin: "Simulation of a digital camera pipeline", *ISSCS 2007, International Symposium on Signals Circuits and Systems*, July 12-13, Iași, Romania, IEEE Xplore digital library.
6. Toadere Florin, Ervin Szopos: "A method to enhance colors in a digital image", *2008 IEEE-TTTC International Conference on Automation, Quality and Testing, Robotics AQTR 2008*, May 22-25, 2008, Cluj-Napoca, Romania, IEEE Xplore digital library.
7. Toadere Florin: "Simulation the optical part of an image capture system", *ATOM-N 2008 The 4th of the international conference advanced topics in optoelectronics, microelectronics and nanotechnologies*, 29-31 August, Constanța, Romania, Proc SPIE 7297.
8. Toadere Florin: "Conversion from a spectral image to a HDR image", *ATOM-N 2008 The 4th of the international conference advanced topics in optoelectronics, microelectronics and nanotechnologies*, 29-31 August, Constanța, Romania, Proc SPIE 7297.
9. Toadere Florin: "Color processing in a digital camera pipeline", *ATOM-N 2008 The 4th of the international conference advanced topics in optoelectronics, microelectronics and nanotechnologies*, 29-31 August, Constanța, Romania, Proc SPIE 7297.
10. Toadere Florin: "A study about human eyes wavefront aberrations capture and corection", *Advancements of Medicine and Health Care through Technology, Meditech 2009*, Sept. 23-26, Cluj Napoca, Romania, IFMBE Proc. 26.
11. Toadere Florin: "Colors Visions for a normal Viewer and for a Daltonist", *Advancements of Medicine and Health Care through Technology, Meditech 2009*, Sept. 23-26, Cluj Napoca, Romania, IFMBE Proc. 26 .
12. Toadere Florin, Nikos Mastorakis: "Imaging the Optical Part of a Web Cam", *SignalProcessing, Computational Geometry and Artificial Vision, ISCGAV 2009*, August 20-22, Moscow, Russia, ACM digital library.
13. Toadere Florin, N. E. Mastorakis: "Imaging a Laser Pulse Propagation Trough an Image Acquisition System", *THE BEST PAPER IN THE CONFERENCE, Proceedings of the 8th WSEAS International Conference on Circuits, Systems, Electronics, Control & Signal*

Processing (CSECS '09), pp. 93-98, December 14-16, 2009, Puerto De La Cruz, Tenerife, Canary Islands, Spain, ACM digital library.

14. Toadere Florin, N. E. Mastorakis: “A comparison between a CRT and a LCD monitors colors rendering”, *Proceedings of the 8th WSEAS International Conference on Circuits, Systems, Electronics, Control & Signals Processing (CSECS '09)*, pp. 99-103, December 14-16, 2009, Puerto De La Cruz, Tenerife, Canary Islands, Spain, ACM digital library.
15. Toadere Florin: “Image capture system colors transforms”, *2nd WSEAS International Conference on Nanotechnology/5th WSEAS International Conference on Optics Astrophysics-Astronomy /1st WSEAS International Conference Plasma, Fusion, Nuclear Physics*, Univ. Cambridge, Feb 20-22, 2010, UK, ACM digital library.
16. Toadere Florin: “Digital camera pipeline resolution analysis”, *2nd WSEAS International Conference on Nanotechnology/5th WSEAS International Conference on Optics Astrophysics-Astronomy /1st WSEAS International Conference Plasma, Fusion, Nuclear Physics*, Univ. Cambridge, Feb 20-22, 2010, UK, ACM digital library
17. Toadere Florin: “Conversion from light to numerical signal in a digital camera pipeline”, *ATOM-N 2010 The 5th of the international conference advanced topics in optoelectronics, microelectronics and nanotechnologies*, 26-29 August, Constanța, Romania, Proc. SPIE, vol. 7821.
18. Toadere Florin: “Visual optics an engineering approach”, *ATOM-N 2010 The 5th of the international conference advanced topics in optoelectronics, microelectronics and nanotechnologies*, 26-29 August, Constanța, Romania, Proc. SPIE, vol. 7821.
19. Florin Toadere: “Process simulation in digital camera system”, *SPIE Photonics Europe, conf. Optics, Photonics and Digital Technologies for Multimedia Applications*, Brussels, Belgium, 17-18 April, 2012, Proc. SPIE vol. 8436.
20. Florin Toadere: “Comparative Resolution Analysis between the Functionality of the Human Eye and of the Achromatic Doublet”, *ATOM N 2012, The 6th of the international conference advanced topics in optoelectronics, microelectronics and nanotechnologies*, Constanta, Romania, 23-26 August 2012, Proc. SPIE vol. 8411.
21. Florin Toadere: “Analyzing the Functionality of a Scanner”, *ATOM N 2012, The 6th of the international conference advanced topics in optoelectronics, microelectronics and nanotechnologies*, Constanta, Romania, 23-26 August 2012, Proc. SPIE vol. 8411.
3. Toadere Florin, Nicoleta Toșa: “Functioning of the protective UV filters based on gold nanoparticles”, *American Institute of Physics: Conference Proceedings*, vol. 1425, 2012.
22. Florin Toadere, Nicoleta Tosa: “Spectral Characterization of the Rhodamine 6G thin films Effect on the Color Image”, *Processes in Isotopes and Molecules International Conference*, PIM 3013, Cluj Napoca, Romania, AIP Volume: 1565, 2013.

23. Nicoleta Tosa, Florin Toadere, Calin Hojbota, Valer Tosa: “ Laser-induced ThinFilm Metamaterials Processing”, *Processes in Isotopes and Molecules International Conference*, PIM 2013, 25-27 septembrie, Cluj Napoca, Romania, AIP Conf. Proc. Vol. 1565.
24. Florin Toadere, Adrian Bradu, Wallace Poon, David Schultz, Adrian Podoleanu: “Spectral delay line for display control in swept source OCT,” *The 7th edition of the International Conference Advanced Topics in Optoelectronics, Microelectronics and Nanotechnologies ATOM-N 2014*, 21 - 24 august 2014, Constanta, Romania, Proc. SPIE vol. 9258.
25. Florin Toadere: “Comparative spectral analysis between the functionality of the human eye and of the optical part of a digital camera,” *Advanced Topics in Optoelectronics, Microelectronics and Nanotechnologies ATOM-N 2014*, 21 - 24 august 2014, Constanta, Romania Proc. SPIE vol. 9258.
26. Florin Toadere: “Spectral characterization of the effect of the amber filters on the color hue of an image,” *Advanced Topics in Optoelectronics, Microelectronics and Nanotechnologies ATOM-N 2014*, 21 - 24 august 2014, Constanta, Romania Proc. SPIE vol. 9258.
27. Florin Toadere: “A Spectral Image Processing Algorithm for Evaluating the Influence of the Illuminants on the Reconstructed Reflectance,” *Processes in Isotopes and Molecules International Conference*, PIM 2017, 27 -29 september, Cluj Napoca, Romania, AIP Conf. Proc. Vol. 1917.
28. Nicoleta Tosa, Florin Toadere: “Investigation of optical properties of periodically arranged gold nanostructured patterns in transparent polymer films,” *Advanced Topics in Optoelectronics, Microelectronics and Nanotechnologies ATOM-N 2018*, 23 - 26 august 2014, Constanta, Romania Proc. SPIE vol. 10977.
29. Florin Toadere, Nicoleta Tosa: “Noise removal from raw OCT images achieved using an OCT system operating in the bandwidth 827 nm-873 nm,” *Advanced Topics in Optoelectronics, Microelectronics and Nanotechnologies ATOM-N 2018*, 23 - 26 august 2014, Constanta, Romania Proc. SPIE vol. 10977.

BDI – Romanian Conferences and Journals

1. Toadere Florin, Popescu Ștefan: “Optical signal processing”, 12th *National Conference of the Romanian Physical Society*, Târgu Mureș, September 26-28, 2002.
2. Toadere Florin, Popescu Ștefan: “Radiation propagation at separation surface between two optical systems”, 12th *National Conference of the Romanian Physical Society*, Târgu Mureș, September 26-28, 2002.

3. Toadere Florin: "An example of optical signal processing using optical Fourier transform", *Central and Est European Conference in Business Information Systems*, Cluj-Napoca, May 20-22, 2004.
4. Toadere Florin: "Cartesian coordinate optical filters frequency analyses", *ECT 2004 Buletinul Universității Politehnica Timișoara, Seria Electronică și Telecomunicații, Tom 49(63), Fascicula 1-2*, 2004.
5. Toadere Florin: "Space and frequency analyses of a LSI system with different input signals", *ECT 2004 Buletinul Universității Politehnica Timișoara, Seria Electronică și Telecomunicații, Tom 49(63), Fascicula 1-2*, 2004.
6. Toadere Florin: "Cartesian coordinate optical coherent and incoherent systems frequency analyses" *ECT 2004 Buletinul Universității Politehnica Timișoara, Seria Electronică și Telecomunicații, Tom 49(63), Fascicula 1-2*, 2004.
7. Toadere Florin: "Polar coordinate optical filters frequency analyses", *The 7th Symposium Of Optoelectronics SIOEL2004*, București, Octombrie 28-29, 2004.
8. Toadere Florin: "Space and frequency diffraction analyses of a periodic array of rectangular slits", *The 7th Symposium Of Optoelectronics SIOEL2004*, București, Octombrie 28-29, 2004.
9. Toadere Florin: "Polar coordinate optical coherent and incoherent system frequency analyses", *The 7th Symposium Of Optoelectronics SIOEL2004*, București, Octombrie 28-29, 2004.
10. Toadere Florin: "Aplicație a corelației la recunoașterea de caractere", *Genomics Workshop*, Cluj-Napoca, May 26-27, 2005.
11. Toadere Florin: "Amplitude filters optical image processing", *The impact of European integration on the National Economy*, October 28-29, 2005, Cluj-Napoca, Romania.
12. Toadere Florin: "Functional parameters enhancement in a digital camera pipeline image simulation", *NSIP 2007, International workshop on nonlinear signals and image processing*, September 10-12, Bucharest, Romania.
13. Toadere Florin: "Image scanning and correction optoelectronic aspects", *The 6th IEEE International conference*, Bucharest, June 08-10, 2006.
14. Toadere Florin, Radu Arsinte, Nikos E. Mastorakis: "A study about daylight perception by the human eye", *The 3rd WSEAS International Conference on Visualization, Imaging and Simulation*, Faro, Portugal, November, 3-5, 2010, ACM digital library.

15. Toadere Florin, Radu Arsinte, Nikos E. Mastorakis: “Resolution analysis of an image acquisition system”, *The 5th European Computing Conference (ECC '11)*, Paris, France, April 28-30, 2011, ACM digital library.
16. Toadere Florin, Radu Arsinte, Nikos E. Mastorakis: “Simulating the image quality of the human eye using the Zernike polynomials”, *Recent Researches in Mathematical Methods in Electrical Engineering and Computer Science, Proceedings of the Applied Computing Conference 2011 (ACC '11)*, Angers, France, November 17-19, 2011, ACM digital library.
17. Toadere Florin: “Optical Fourier analysis of a simple optical system”, *Carpathian Journal of Electrical Engineering*, Volume 1, 2007 - Number 1
18. Toadere Florin, Nikos E. Mastorakis, “Simulation the Functionality of a Web Cam Image Capture System”, *WSEAS Transaction on Circuits and Systems*, Issue 10, Volume 8, October 2009
19. Toadere Florin, Nikos E. Mastorakis: “An overview about monitors colors rendering”, *WSEAS Transaction on Circuits and Systems*, Issue 1, Volume 9, January 2010.
20. Toadere Florin, Nikos E. Mastorakis: “Simulation the functionality of a laser pulse image acquisition system”, *WSEAS Transaction on Circuits and Systems*, Issue 1, Volume 9, January 2010