Europass Curriculum Vitae

Personal information

First name(s) / Surname(s)	**Serban OPRISESCU**
E-mail(s)	Serban.oprisescu(adt)unitbv.ro

Desired employment / Occupational field	**Lecturer**

Work experience

Dates	1 Oct 2021 →
Occupation or position held	Lecturer
Main activities and responsibilities	Teaching and lab. coordination: Database, Programming languages, Applied Computer Science
Name and address of employer	Transilvania University of Brașov Bulevardul Eroilor 29, Brașov (Romania) , www.unitbv.ro
Type of business or sector	Education

Dates	1 Oct 2012 → 1 Oct 2021
Occupation or position held	Lecturer
Main activities and responsibilities	Teaching and lab. coordination at: Storing and Usage of Medical Information and Telemedicine
Name and address of employer	University Politehnica from Bucuresti Splaiul Independentei nr. 313, 060042 Bucuresti (Romania)
Type of business or sector	Education

Dates	1 Oct 2009 → 1 Oct 2012
Occupation or position held	Teaching assistant
Main activities and responsibilities	Laboratory coordination
Name and address of employer	University Politehnica from Bucuresti Splaiul Independentei nr. 313, 060042 Bucuresti (Romania)
Type of business or sector	Education

Dates	1 May 2010 → 30 April 2013
Occupation or position held	POSTDOC Researcher; also a 2 moths research scholarship at INB Luebeck (June & July 2012)
Main activities and responsibilities	Scientific research
Name and address of employer	University Politehnica from Bucuresti (Romania)

Dates	1 Jan 2009 - 30 Apr 2010
Occupation or position held	Researcher (CS III)
Main activities and responsibilities	Scientific research
Name and address of employer	University Politehnica from Bucuresti (Romania)

Dates	1 Jan 2007 - 1 Jan 2009

Occupation or position held	Research assistant
Main activities and responsibilities	Scientific research
Name and address of employer	University Politehnica from Bucuresti
Dates	01/09/2006 - 30/09/2006
Occupation or position held	scholarship
Main activities and responsibilities	Scientific research
Name and address of employer	Polytech' Savoie Annecy (France)
Type of business or sector	Education
Dates	1 Mar 2003 - 15 Jul 2003
Occupation or position held	scholarship
Main activities and responsibilities	Scientific research
Name and address of employer	University of Poitiers (France)
Dates	1 Mar 2002 - 30 Jun 2002
Occupation or position held	scholarship
Main activities and responsibilities	Scientific research
Name and address of employer	ENSEEIHT, INP Toulouse (France)
Dates	20/08/2000 - 20/10/2000
Occupation or position held	scholarship
Main activities and responsibilities	Software application development for database management
Name and address of employer	CROUS Toulouse (France)
Type of business or sector	Administrative and support service activities
Dates	01/09/1998 - 01/10/1998
Occupation or position held	scholarship
Main activities and responsibilities	electronic laboratories
Name and address of employer	IUT Paul-Sabatier, Toulouse (France)
Type of business or sector	Education

Education and training

Dates	01/11/2003 - 07/11/2007
Title of qualification awarded	PhD degree in Electronics and Telecommunications Engineering
Principal subjects / occupational skills covered	Image Processing, Decision and Estimation in Information Processing
Name and type of organisation providing education and training	University Politehnica from Bucuresti Spl. Independentei 313, 060042 Bucuresti (Romania)
Dates	1 Oct 2002 - 1 Jul 2003
Title of qualification awarded	Postgraduate Diploma in "Biomedical Engineering"
Principal subjects / occupational skills covered	Biomedical signal processing
Name and type of organisation providing education and training	University Politehnica from Bucuresti, Faculty of engineering in foreign languages, English stream (Romania)

Dates	1 Oct 1997 - 1 Jul 2002
Title of qualification awarded	Engineer Diploma in Electrical Engineering and Computer Science
Principal subjects / occupational skills covered	Informatics, Mathematics, Physics, signal processing, image processing and analysis, computer networks, radio etc..
Name and type of organisation providing education and training	University Politehnica from Bucuresti, Faculty of engineering in foreign languages, French stream (Romania)

Personal skills and competences

Mother tongue(s)

Romanian

Other language(s)

Self-assessment

European level (*)

	Understanding			Speaking				Writing	
	Listening		Reading	Spoken interaction		Spoken production			
French	C2	Proficient user	C2	Proficient user	C2	Proficient user	C2	Proficient user	C2	Proficient user
English	C2	Proficient user	C1	Proficient user	C1	Proficient user	C1	Proficient user	C1	Proficient user

(*) [Common European Framework of Reference (CEF) level](#)

Computer skills and competences

- Programming: Java, HTML, PHP, C, Visual C + +, Pascal, Delphi, Matlab, Vis.Basic, Lisp;

- Database management: Visual FoxPro, Access, MySQL, Oracle;

- Operating systems: MS-DOS, Windows, Linux, Sun;

- Editing of text and images in Office, LaTeX, Photoshop;

- Other programs: Autocad, RSView32

Driving licence(s)

B

Additional information

CNCSIS Project Manager TD no. EL10-06-05, in 2006.

Researcher in the team of:

- AI4AGRI – Romanian Excellence Center on Artificial Intelligence on earth observation data for AGRIculture, ID: 101079136, 2022 - 2025
- PN-II-PT-PCCA-2013-4-0201, "Methods of Prediction of Infantile Hemangioma Evolution Aimed at Preventing Desfigurating Complications by Multiple Intervention Procedures", 2014 – 2017
- PN-II-PT-PCCA-2013-4-0202, "Intelligent System for Automatic Assistance of Cervical Cancer Diagnosis", 2014 – 2017
- FP6 "Gaze-based Communication", no. IST-C-033 816, 2007-2010

- FP6 "Action Recognition and Tracking based on Time-of-Flight Sensors", no. IST-34 107, 2007-2009

- CORINT "Contribution to the construction, testing and evaluation of the discovery potential of ATLAS detector", acronym ATLAS, 2007 – 2009

Main published papers:
- M. Ivanovici, **S. Oprisescu**, R. M. Coliban and K. Marandskiy, "Exponential Features in the Fourier Domain for Prisma Hyperspectral Image Segmentation," IGARSS 2023 - 2023 IEEE Int. Geos. and Remote Sens. Symp., Pasadena, CA, USA, 2023, pp. 6089-6092, doi: 10.1109/IGARSS52108.2023.10282239
- **S. Oprisescu**, R. -M. Coliban and M. Ivanovici, "Hyperspectral Image Segmentation and Entropy Calculation for Qualitative Analysis of Grassland," 2023 International Symp. on Signals, Circuits and Systems (ISSCS), Iasi, Romania, 2023, pp. 1-4, doi: 10.1109/ISSCS58449.2023.10190944
- **S. Oprisescu**, R. -M. Coliban and M. Ivanovici, "Outdoor Image Segmentation based on Light Polarization Signatures," 2022 International Symp. on Electronics and Telecom. (ISETC), Timisoara, Romania, 2022, pp. 1-4, doi: 10.1109/ISETC56213.2022.10009972

- **S. Oprisescu**, R.-M. Coliban, M. Ivanovici, Polarization-based optical characterization for color texture analysis and segmentation, Pattern Recognition Letters, vol 163, 2022, pp 74-81, ISSN 0167-8655, doi.org/10.1016/j.patrec.2022.09.019
- **S. Oprisescu**, "Baze de date, îndrumar de laborator", editura Universităţii Transilvania din Braşov, ISBN 978-606-19-1379-4
- **S. Oprisescu**, M. Ciuc, A. Sultana, Automatic Segmentation and Measurement of Infantile Hemangioma. Symmetry 2021, 13, 138. https://doi.org/10.3390/sym13010138
- A. Sultana, H. Balazs, S. Ovreiu, **Ş. Oprişescu** and C. Neghină, "Infantile Hemangioma Detection using Deep Learning," 2020 13th International Conference on Communications (COMM), Bucharest, Romania, 2020, pp. 313-316, doi: 10.1109/COMM48946.2020.9141992
- **S. Oprisescu**, M. Ciuc, A. Sultana, "Automatic measurement of infantile hemangiomas", 2017 E-Health and Bioengineering Conference (EHB), Sinaia, 2017, pp. 503-506
- **S. Oprisescu**, T. Radulescu, A. Sultana, C. Rasche, M. Ciuc, "Automatic Pap Smear Nuclei Detection Using Mean-Shift and Region Growing", 12-th Int. Symp. on Signals, Circuits and Systems (ISSCS), Iasi, Romania, 2015
- C. Rasche, **S. Oprisescu**, A. Sultana, T. Radulescu, "Analysis of Pap Smear Images with Iso-, Edge-Contours", Int. Conf. on Intelligent Computer Communication and Processing (ICCP), Cluj, Romania, 2015
- A. Sultana, **S. Oprisescu**, M. Ciuc, "Automatic Evaluation of Hemangiomas for Follow-up Monitoring", Int. Conf. on e-Health and Bioengineering, (EHB 2015), Iasi, Romania, 2015
- **S. Oprisescu**, M. Ciuc, A. Sultana, I. Vasile, "Automatic Segmentation of Infantile Hemangiomas Within an Optimally Chosen Color Space", Int. Conf. on e-Health and Bioengineering, (EHB 2015), Iasi, Romania, 2015
- A. Sultana, M. Zamfir, M. Ciuc, **S. Oprisescu**, M. Popescu, "Automatic Segmentation of Infantile Hemangiomas", 12-th Int. Symp. on Signals, Circuits and Systems (ISSCS), Iasi, Romania, 2015.
- **S. Oprisescu**, M. Dumitrescu, "On the Estimation of Intrinsic Dimension for 3D Images,", Buletinul Ştiinţific UPB, Seria C, Vol. 76, No. 4, 2014, pp. 49-60.
- **S. Oprisescu,** M. Ciuc, I. Vasile, "Hand Posture Recognition Using the Intrinsic Dimension,", pp. 974-979, Conferinţa Optim 2014, 22-24 Mai 2014, Braşov. *(cotat ISI)*
- **S. Oprisescu,** L. Florea, E. Ovreiu, " Detection of thrown objects using ToF cameras,", pp. 83-86, 9th Int. Conf. on Intell. Comp. Comm. and Proc. (ICCP), 2013, 5-7 Septembrie, Cluj-Napoca, ISBN: 978-1-4799-1493-7
- **S. Oprisescu,** E. Barth, "3D Hand Gesture Recognition using the Hough Transform," Advances in Electrical and Computer Engineering, vol. 13, no. 3, pp. 71-76, 2013, doi:10.4316/AECE.2013.03012 *(cotat ISI)*
- **S. Oprisescu**, C. Rasche, B. Su, "Automatic static hand gesture recognition using ToF cameras", pp 2748 - 2751, EUSIPCO 2012, 27-31 Aug. 2012, Bucuresti *(cotat ISI)*
- **S. Oprisescu**, L. Florea, „Automatic 2D/3D ToF Image Fusion Using the Intrinsic Dimension", pp 99-102, 9th Int. Conf. on Communications (COMM) 2012, 21-23 Iunie, Bucureşti *(cotat ISI)*
- L. Florea, **S. Oprisescu**, C. Florea, „Mouth Area Analysis by the Use of Selected Spectral Energies", pp 103-106, 9th Int. Conf. on Communications (COMM) 2012, 21-23 Iunie, Bucureşti *(cotat ISI)*
- A. E. Sultana, S. Paşca, **S. Oprişescu** – "Imagistică medicală – Îndrumar de laborator", editura Matrix ROM, ISBN: 978-973-755-726-1
- **S. Oprisescu**, C. Burlacu, A. Sultana, "A new contour extraction algorithm for ToF images", pp 121-124, Conf. IEEE ISSCS 2011, 30 Iunie – 01 Iulie, Iaşi *(cotat ISI)*
- **S. Oprisescu**, C. Burlacu, V. Buzuloiu, "Action Recognition using Time of Flight Cameras", IEEE Communications 2010, Bucuresti, pp 153-156 *(cotat ISI)*
- A. Sultana, M. Ciuc, R. Strungaru, **S. Oprisescu**, L. Florea – „Automated Bilateral Asymmetry Detection in Mammograms", Proceedings of ECIT 2010, 06-08 octombrie, Iasi, Romania, ISSN: ECIT 2010_2069-038X_9772069038003
- **S. Oprisescu**, C. Burlacu, V. Buzuloiu, "Action Recognition for Simple and Complex Actions Using Time of Flight Camera", Conferinta IPCV'09, pp 700-706, 13-16 Iulie 2009, Las Vegas SUA.
- **S. Oprisescu**, V. Buzuloiu, "Histogram and motion based intrusion detection algorithms for ToF cameras", pp 41-44, Conf. IEEE ISSCS 2009, 9-10 Iulie, Iaşi *(cotat ISI)*
- A. Oprea, M. Ciuc, **S. Oprisescu**, „Two-step tumor identification in digital mammography", COMM 2008, Bucuresti 2008, vol I, ISBN 978-606-521-008-0, pp. 125-128.
- **S. Oprisescu**, D. Falie, M. Ciuc şi V. Buzuloiu, "Measurements with ToF Cameras and Their Necessary Corrections", Proceedings al IEEE ISSCS Conference, vol 1, pp 221-224, Iasi, 2007. *(cotat ISI)*
- **S. Oprisescu**, M. Dumitrescu, "On Model Selection for an Urban Area, by the AIC Criterion", pp 553-556, Proceedings a Conferintei ISSCS'07 Iasi 2007.

(cotat ISI)

- **S. Oprisescu**, V. Buzuloiu, "MAP Segmentation and MAP-Markov Regularization for Urban & Rural Satellite Images", pp 131-136, Conferinţa Optim 2006, 18-19 Mai 2006, Braşov. *(cotat ISI)*
- **S. Oprisescu**, V. Buzuloiu si M. Dumitrescu, "Statistical modeling of satellite images, for MAP segmentation", Conf. IEEE Communications 2006, 8-10 Iunie 2006, Bucureşti.
- **S. Oprisescu**, "On the use of the EM algorithm for training a MAP classifier" – articol publicat în Buletinul Ştiinţific UPB, Seria C, Vol. 68, No. 3, 2006
- **S. Oprisescu**, M. Dumitrescu, "On the Regularization of Segmented Satellite Images" –Conferinţa IEEE - ISSCS, pp. 83-86, Iulie 2005, Iaşi. *(cotat ISI)*