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Curriculum Vitae

Personal information

First name(s) / Surname(s)   **Sorin CURILA**

E-mail   scurila@uoradea.ro, sorincurila2015@yahoo.com

Work experience

Dates   March 2012 - March 2016
April 2016 - 2019

Occupation or position held   **President of the University Senate**

Main activities and responsibilities   Academic regulation based on university autonomy

Name and address of employer   University of Oradea, str. Universitatii nr. 1, zip code 410087 Oradea, România
phone: +40-259-408111; +40-259-432830 (phone exchange); +40-259-408105 (Rectorate)

Type of business or sector   Academic management

Dates   March 2008 - March 2012

Occupation or position held   **Scientific Coordinator of the Senate**

Main activities and responsibilities   Cooperation University Senate - Executive Leadership of the University and Faculties

Name and address of employer   University of Oradea, str. Universitatii nr. 1, zip code 410087 Oradea, România
phone: +40-259-408111; +40-259-432830 (phone exchange); +40-259-408105 (Rectorate)

Type of business or sector   Academic management

Dates   October 2009 - 2022

Occupation or position held   **Professor**

Main activities and responsibilities   teaching and research

Name and address of employer   University of Oradea, str. Universitatii nr. 1, zip code 410087 Oradea, România
phone: +40-259-408111; +40-259-432830 (phone exchange); +40-259-408105 (Rectorate)

Type of business or sector   Digital signal processing, Pattern Recognition, Programming languages

Dates   *2007, 2010*

Occupation or position held	**"teaching staff" - Erasmus/Socrates**
Main activities and responsibilities	teaching and research
Name and address of employer	Université de Reims Champagne-Ardenne, Faculté des Sciences, Laboratoire d'Automatique et Microélectronique, Moulin de la Housse – BP 1039 – 51687 Reims Cedex, France, *tel. 0326918424*
Type of business or sector	Image progessing
Dates	October 2004 - 2008
Occupation or position held	**Tutor of Informatics Technology and Multimedia Master**
Main activities and responsibilities	Teaching, coordinate
Name and address of employer	University of Oradea, str. Universitatii nr. 1, zip code 410087 Oradea, România phone: +40-259-408111; +40-259-432830 (phone exchange); +40-259-408105 (Rectorate)
Type of business or sector	Informatics Technology and Multimedia
Dates	September 2002 - October 2003
Occupation or position held	**A.T.E.R. - Temporary Associate Professors**
Main activities and responsibilities	teaching and research
Name and address of employer	Université de Reims Champagne-Ardenne, Faculté des Sciences, Laboratoire d'Automatique et Microélectronique, Moulin de la Housse – BP 1039 – 51687 Reims Cedex, France, *tel. 0326918424*
Type of business or sector	Image processing, Blind Source Separation, Programming languages
Dates	October 2001 - September 2002
Occupation or position held	**Post-doc researcher**
Main activities and responsibilities	research
Name and address of employer	French Gouverne and Université de Reims Champagne-Ardenne, Faculté des Sciences, Laboratoire d'Automatique et Microélectronique, Moulin de la Housse – BP 1039 – 51687 Reims Cedex, France, *tel. 0326918424*
Type of business or sector	*post-doctoral research stage :* "Développement et Application de la Séparation de Sources a des cas concrets: Debruitage d'images dans des situations ou la visibilité est réduite"
Dates	November 2001 – March 2005
Occupation or position held	**Lecturer**
Main activities and responsibilities	teaching and research
Name and address of employer	University of Oradea, str. Universitatii nr. 1, zip code 410087 Oradea, România phone: +40-259-408111; +40-259-432830 (phone exchange); +40-259-408105 (Rectorate)
Type of business or sector	Digital signal processing, Pattern Recognition, Image processing
Dates	February 1999 - August 1999
Occupation or position held	**Researcher**
Main activities and responsibilities	research
Name and address of employer	*MPEG (Moving Picture Expert Group) and Institut National des Télécommunications, Département Signal et Image, 9 rue Charles Fourier 91011 Evry Cedex, France, tel. 0160764040*
Type of business or sector	Image processing - *research stage :* "Compression de maillages 3-D"
Dates	March 1998 - December 1998
Occupation or position held	**Researcher**
Main activities and responsibilities	research
Name and address of employer	*Institut National des Télécommunications, Département Signal et Image, 9 rue Charles Fourier 91011 Evry Cedex, France, tel. 0160764040*
Type of business or sector	Image processing - *research stage :* "Recalage 3D-2D d'objet polyédrique non déformable"
Dates	August 1997 - February 1998

Occupation or position held	**Researcher**
Main activities and responsibilities	research
Name and address of employer	*Institut National des Télécommunications, Département Signal et Image,* *9 rue Charles Fourier 91011 Evry Cedex, France, tel. 0160764040*
Type of business or sector	Image processing - *research stage :* "Représentation 3-D d'objet polyédrique non déformable"
Dates	October 1998 – November 2001
Occupation or position held	**Assistant**
Main activities and responsibilities	teaching and research
Name and address of employer	University of Oradea, str. Universitatii nr. 1, zip code 410087 Oradea, România phone: +40-259-408111; +40-259-432830 (phone exchange); +40-259-408105 (Rectorate)
Type of business or sector	Electronics, Digital signal processing, Image processing
Dates	October 1995 – October 1998
Occupation or position held	**Tutor**
Main activities and responsibilities	teaching and research
Name and address of employer	University of Oradea, str. Universitatii nr. 1, zip code 410087 Oradea, România phone: +40-259-408111; +40-259-432830 (phone exchange); +40-259-408105 (Rectorate)
Type of business or sector	Electronics, Electronic Traffic Systems

Education and training

Dates	1996 - 2000
Title of qualification awarded	*PhD Diploma – Compression of 3D polygonal models*
Principal subjects/occupational skills covered	Image processing, 3D data coding
Name and type of organisation providing education and training	University of Oradea / *Electrical Engineering*
Dates	*1996, 1997, 1999, 2000, 2002, 2003*
Title of qualification awarded	Image processing Training
Principal subjects/occupational skills covered	Image processing
Name and type of organisation providing education and training	Politehnica Bucureşti University, Faculty of Electronics and Telecommunications, Analysis and image processing Laboratory, ETASM international school
Dates	1991 - 1995
Title of qualification awarded	Mathematician
Principal subjects/occupational skills covered	Mathematics
Name and type of organisation providing education and training	Faculty of Mathematics and Computer Science, University "Babes-Bolyai", Cluj-Napoca, Romania
Dates	1989 - 1994
Title of qualification awarded	Electronics Engineer
Principal subjects/occupational skills covered	Applied Electronics
Name and type of organisation providing education and training	Faculty of Electronics and Telecommunications, The technical university Cluj-Napoca, Romania

Teaching and research competences	65 articles and scientific papers presented at national and international conferences and symposiums
	Scientific Books: 3
	Teaching Materials: 5
	Scientific contracts: 23– for 4 of them Director of contract

Annexes:

- Articles in quoted journals and volumes of scientific events indexed by ISI proceedings:

1. Bica, AM; Curila, M; Curila, S , "Two-point boundary value problems associated to functional differential equations of even order solved by iterated splines", APPLIED NUMERICAL MATHEMATICS, Volume: 110, Pages: 128-147, 2016, ISSN: 0168-9274, Factor de impact 1,414

2. Mircea Curilă, Sorin Curilă, Cristian Grava, "Geometry Compression for 3D Models", SRev. Roum. Sci. Techn.– Électrotechn. et Énerg., Volume: 61, Issue:2, Pages: 201-204, Bucarest, 2016, ISSN: 0035-4066

3. A. Bica, M. Curilă, **S. Curilă**, *"The Method of Successive Interpolations Solving Initial Value Problems for Second Order Functional Differential Equations"*, Fixed Point Theory, Volume: 14, Issue: 1, pages 67-90, 2013, ISSN 1583-5022

4. A. Bica, M. Curilă, **S. Curilă**, *"About a numerical method of succesive interpolations for functional Hammerstein integral equations"*, Journal of Computational Analysis and Applied Mathematics, vol. 236, Issue: 7, Pages 2005-2024, jan. 2012, ISSN 0377-0427

5. A. Bica, M. Curilă, **S. Curilă**, *"About a numerical method of succesive interpolations for two point boundary value problems with deviating argument"*, Applied Mathematics and Computation, vol. 217, Issue: 19, Pages 7772-7789, jun. 2011, ISSN 0096-3003

6. A. Bica, M. Curilă, **S. Curilă**, *"Approximating The Solution Of Second Order Differential Equation With Retarded Argument"*, Journal of Computational Analysis and Applications, 2010, Volume: 12, Page(s):37 – 47, ISSN 1521-1398 PRINT, 1572-9206 ONLINE

7. Mircea Curilă and **Sorin Curilă**, *"Geometry Compression of 3D Mesh utilizing Robust Second Order Blind Identification Algorithm",* Studies in Informatics and Control with Emphasis on Useful Applications of Advanced Technology, December 2008, volume 17, number 4, Edited by National Institute for R&D in Informatics ICI Bucharest, Page(s):421 – 434, ISSN 1220-1766.

8. A. M. Bica, M. Curilă, **S. Curilă**, *"Optimal Piecewise Smooth Interpolation of Experimental Data"*, ICCCC 2006, International Journal of Computers, Communications & Control, pg. 74-79, June 1-3, 2006, ISSN 1841-9836 (print version), ISSN 1841-9844 (online version), Băile Felix - Oradea, Romania, CCC Publications

9. M. Curilă, **S. Curilă**, O. Novac, Mihaela Novac, "A new Artificial Vision Method for Bad Atmospheric Conditions", International Joint Conferences on Computer, Information, and Systems Sciences, and Engineering (CIS2E 08), December 5 - 13, 2008, USA, articolul nr. 292 , Publisher: Springer-Verlag Berlin, Germany, Pages: 227-331, Published: 2010, ISBN: 978-90-481-3659-9

10. O. Novac, St. Vari-Kakas, F.I. Hathazi, M. Curila and **S. Curila**, "Aspects Regarding The Implementation Of Hsiao Code To The Cache Level Of A Memory Hierarchy With Fpga Xilinx Circuits", International Joint Conferences on Computer, Information, and Systems Sciences, and Engineering (CIS2E 08), December 5 - 13, 2008, USA, articolul nr. 244 , Publisher: Springer-Verlag Berlin, Germany, Pages: 539-543, Published: 2010, ISBN: 978-90-481-3659-9

11. Sorin Curilă, Cornelia E. Gordan and Mircea Curilă, *"Tracking of polyhedral objects in image sequence",* 2008 IEEE 4th International Conference on Intelligent Computer Communication and Processing (ICCP 2008), August 28-30, 2008, Cluj-Napoca, Romania, Page(s):61 – 66, ISBN: 978-1-4244-2673-7

12. S. Curilă, M. Curilă, T.Zaharia, G. Mozelle, F. Preteux, *"A new prediction scheme for geometry coding of 3D meshes within the MPEG-4 framework"*, SPIE Conference, Journal of Electronic Imaging, pp. 240-250, ISSN 1017-9909, 25-26 January 1999, San Jose, California, USA

13. F. Preteux, **S. Curilă**, M. Malciu, "3D object registration in image sequences", SPIE Conference, Journal of Electronic Imaging, pp. 186-196, 26-27 January 1998, San Jose, California, USA.

- Articles in journals and volumes of scientific events indexed in other international databases:

1. A. M. Bica, G.C. Crainic, M. Curilă, **S. Curilă**, "OPPORTUNITIES OF SIMULATION FOR STANDS STRUCTURE USING MATHEMATICAL MODELS ", Research Journal of Agricultural Science . 2017, Vol. 49 Issue 1, p133-144. 12p., EBSCO's databases

2. D. Nuzillard, C. Lazar, P. Billaudel, **S Curila**, F. Belloir, *"Pre-traitement par Separation Aveugle de Sources pour la Segmentation d'images multi-spectrales"*, COmpression et REprésentation des Signaux Audiovisuels, Montpellier, versiune CD – poz. 38, 8-9 novembre 2007

3. M. Curilă, D.Nuzillard, **S. Curilă**, *"Séparation aveugle de sources appliquée à la compression du maillage 3D"*, 19e colloque GRETSI sur le traitement du signal et des images, vol. II, pp. 307-310, 8 - 11 septembre 2003, Paris, France, GRETSI 2003 Procceedings

4. M. Curilă, **S. Curilă**, D. Nuzillard, *"Decorrelation techniques for geometry coding of 3D mesh"*, Fourth International Symposium on Independent Component Analysis and Blind Signal Separation, pp. 885 - 890, Avril 1-4, 2003, Nara, Japan, ISBN 4-9901531-1-1, ICA2003 Proceedings.

5. D. Nuzillard, **S. Curilă**, M. Curilă, *"Blind Separation in low frequencies using Wavelet analysis, Application to artificial vision"*, Fourth International Symposium on Independent Component Analysis and Blind Signal Separation, pp. 77 - 82, Avril 1-4, 2003, Nara, Japan, ISBN 4-9901531-1-1, ICA2003 Proceedings

6. S. Curilă, A. Elhafid, D. Nuzillard, J. Padet, *"Two competitive methods for enhancing visibility"*, Proceedings of Eurotherm 71 on Visualisation, Imaging and Data Analysis In Convective Heat and Mass Transfer, pp. 345-350, 28-30 October, 2002, Reims, France

7. M. Curilă**, S. Curilă,** Crainic Gh. Cristian**, *"Blins Source Separation Technique Used in Forest Images Analysis"*, Natural Resources and Sustainable Development, pp. 253-261, vol.5, 2013, University of Oradea Publishing House, ISBN 978-3-902938-02-2, ISSN 2066-6276

8. C.Lazar, D.Nuzillard, P.Billaudel, **Sorin Curilă***, "NonNegative Matrix Factorization Clustering Capabilities; Application on Multivariate Imege Segmentation",* Journal of Electrical and Electronics Engineering, University of Oradea Publisher, 2009, Page(s):150 – 155, ISSN: 1844-6035

9. M. Curilă, **S. Curilă**, "On the Precision of the Succesive Approximations Method Tested on Kepler's Equation from Astronomy", Natural Resources and Sustainable Development, pp. 319-325, vol.5, 2013, University of Oradea Publishing House, ISBN 978-3-902938-02-2, ISSN 2066-6276

- ISO/MPEG – research reports:

1. Françoise Preteux, Sorin Curilă, Titus Zaharia, "Hybrid scheme for geometry of 3D meshes: bitstream exchanges", Research Report ISO/IEC JTC1/SC29/WG11, MPEG99/M4900,

2. Françoise Preteux, Titus Zaharia, Sorin Curilă, "Geometry Coding of 3D Meshes: Integration of the polygonal and hybrid methods in the 3D mesh reference software", Research

3. Françoise Preteux, Titus Zaharia, Sorin Curilă, Mircea Curilă, "Geometry coding of 3D meshes: Results of Core Experiment M2", Research Report ISO/IEC JTC1/SC29/WG11,

4. Françoise Preteux, Titus Zaharia, Mircea Curilă, Sorin Curilă, Gerard Mozelle, "Geometry compression of 3D meshes: Results on Core Experiment M2", Report ISO/IEC

5. Françoise Preteux, Gerard Mozelle, Mircea Curilă, Sorin Curilă and Jose Paumard, "Geometry and topology compression of 3D meshes: Results of Core Experiment M1 and M2".

Oradea, 01.12.2022