

## Curriculum Vitae Europass

### Informații personale

Nume / Prenume  
E-mail(uri)  
Naționalitate(-tăți)  
Data nașterii

**Coltuc Dinu**  
coltuc@valahia.ro  
română  
26/10/1958



### Experiența profesională

Perioada	2000 →
Funcția sau postul ocupat	Director Scoala Doctorala Stiinte Ingineresti (din martie 2012), Director Scoala Doctorala UVT (nov. 2011-martie 2012), Director Centrul de Cercetare pentru Inginerie Electrica, Electronica si Tehnologia Informatiei – UVT (din 2009), Director Departament Electronica, Telecomunicatii si Inginerie Energetica (2008- nov. 2011), Șef al Catedrei de Electronica (2002-2008), Profesor (din 2000)
Activități si responsabilități principale	Activitate didactică (prelucrarea semnalelor, prelucrarea imaginilor) și de cercetare in domeniul electronica si telecomunicatii (watermarking, imbunatatirea imaginilor, etc.)
Numele și adresa angajatorului	Universitatea Valahia din Târgoviște, Bulevardul Regele Carol I, Târgoviște
Perioada	01/09/2009 - 30/11/2009, 01/10/2007 - 31/12/2007
Funcția sau postul ocupat	Profesor invitat
Activități si responsabilități principale	Activitate didactica (Analiza si Segmentarea Imaginilor, Analiza si Prelucrarea Imaginilor) si cercetare in marcare reversibila.
Numele și adresa angajatorului	Ecole Nationale Supérieure d'Ingénieurs pour l'Energie, l'Eau et l'Environnement & GIPSA-Lab (2009), Ecole Nationale Supérieure d'Ingénieurs Electriciens de Grenoble & LIS (2007), Grenoble INP
Perioada	01/10/2005 - 31/08/2006
Funcția sau postul ocupat	Cercetator asociat CNRS
Activități si responsabilități principale	Cercetare (watermarking reversibil) si activitate didactică la ENSIEG (prelucrarea imaginilor, prelucrarea semnalelor)
Numele și adresa angajatorului	Laboratoire des Images et des Signaux – LIS, rue de la Houille Blanche - BP 46 - 38402 Saint Martin d'Hères cedex France
Perioada	01/02/2000 - 31/07/2000, 01/02/2001 - 31/07/2001, 01/02/2002 - 31/07/2002
Funcția sau postul ocupat	Profesor invitat PAST (18 luni)
Activități si responsabilități principale	Activitate didactică (prelucrarea imaginilor si prelucrarea semnalelor) și de cercetare la LIS (watermarking robust).
Numele și adresa angajatorului	Ecole Nationale Supérieure d'Ingénieurs Electriciens de Grenoble ENSIEG, INP Grenoble, rue de la Houille Blanche - BP 46 - 38402 Saint Martin d'Hères cedex, France
Perioada	01/09/1997 - 31/12/1997, 01/09/1998 - 31/12/1998, 01/09/1999 - 31/12/1999
Funcția sau postul ocupat	Profesor invitat (12 luni)
Activități si responsabilități principale	Activitate didactică (curs Prelucrarea Semnalelor Numerice si Prelucrarea Imaginilor) și de cercetare la LAMII (egalizare exacta de histograma, watermarking robust)
Numele și adresa angajatorului	Ecole Supérieure d'Ingénieurs d'Annecy, Université de Savoie, 41, Av. de la Plaine, BP 806, Annecy Cedex, France

Perioada	01/11/1993 - 31/01/1995
Funcția sau postul ocupat	Cercetator
Activități și responsabilități principale	Cercetare in morfologie matematica, prelucrari neliniare, prelucrari rapide.
Numele și adresa angajatorului	School of Electrical and Computer Engineering, Aristotle University of Thessaloniki, 541 24, Greece
Perioada	1984 - 2000
Funcția sau postul ocupat	Inginer stagiar (1984-1985), inginer (1985-1986), Cercetator stiintific (1986-1998), Sef colectiv Prelucrarea Imaginilor (1988-1991), Locțiitor Sef Laborator (1991-1992,1994-1996), Sef Laborator Traductoare si Senzori (1992-1993), Cercetator Stiintific Principal II (1998-2000)
Activități și responsabilități principale	Cercetare in domeniul electronica si telecomunicatii (prelucrarea imaginilor, recunoastera formelor, compresie si codare, morfologie matematica, etc.).
Numele și adresa angajatorului	Institutul de Cercetari pentru Electrotehnica, ICPE, Bvd. Tudor Vladimirescu 45-47, Bucuresti
Perioada	1982 - 1984
Funcția sau postul ocupat	Inginer stagiar
Activități și responsabilități principale	Cercetare in domeniul testarii centralelor telefonice automate
Numele și adresa angajatorului	Intreprinderea Contactoare Buzau si Centrul de Cercetare Stiintifica si Inginerie Tehnologica pentru Telecomunicatii Bucuresti.

## Educație și formare

Perioada	1995 - 1997
Calificarea/diploma obținută	Doctor inginer
Disciplinele principale studiate/competențele profesionale dobândite	Contributii la dezvoltarea tehnicilor neliniare de prelucrare a imaginilor
Numele și tipul instituției de învățământ/furnizorului de formare	Facultatea de Electronica si Telecomunicatii, Universitatea Politehnica Bucuresti
Perioada	1977 - 1982
Calificarea/diploma obținută	Diploma de inginer
Numele și tipul instituției de învățământ/furnizorului de formare	Facultatea de Electronica si Telecomunicatii, Institutul Politehnic Bucuresti

## Aptitudini și competențe personale

Limba maternă **Română**

Limbi străine cunoscute

Autoevaluare  
Nivel european (\*)

**Engleză**

**Franceză**

Înțelegere				Vorbire				Scriere	
Ascultare		Citire		Participare la conversație		Discurs oral			
C2	Utilizator experimentat	C2	Utilizator experimentat	C1	Utilizator experimentat	-	-	C2	Utilizator experimentat
C2	Utilizator experimentat	C2	Utilizator experimentat	C2	Utilizator experimentat	-	-	C1	Utilizator experimentat

(\*) [Cadrlui european comun de referință pentru limbi](http://europa.europa.eu/education/languages/learning_languages/european_common_reference_framework_for_languages/index_en.htm)

## Informații suplimentare

Premiul Traian Vuia al Academiei pentru contribuții la dezvoltarea prelucrării de imagini (1997)

Autor și coautor la 7 cărți și capitole de carte, 15 articole în reviste cotate ISI, peste 50 de articole la conferințe internaționale, 2 brevete de invenție.

Peste 500 de citări în literatura de specialitate

Director/responsabil la 12 proiecte de cercetare și membru în echipa de cercetare la 7 proiecte naționale și 3 proiecte internaționale.

Senior Member IEEE

Recenzor: IEEE Trans. on Image Processing, IEEE Trans. on Information Forensics and Security, IEEE Trans. on Circuits and Systems for Videotechnology, IEEE Trans. on Multimedia, IEEE Trans. on PAMI, IEEE Signal Processing Letters, Journal on Systems and Software, IET Image Processing, IET Information Security, Journal of Electronic Imaging, Signal Processing, etc.

Membru în comitetul de redacție al revistei *Traitement du Signal*

Membru în comitetul tehnic (TPC): International Conf. on Multimedia and Expo (ICME 2011-2014), European Signal Processing Conference EUSIPCO 2012-2014, ICIP 2014, ICASSP 2013-2015.

Chairman IEEE International Symposium on Signals, Circuits & Systems ISSCS (2007, 2009, 2011, 2013, 2015), EUSIPCO'12, IHMMSeC'13, EUSIPCO'14

Stagii în străinătate:

1990, 1991, CERN, Elveția – în proiectul Embedded Architectures for Second Level Triggering (2 luni)

1991, Ystad, Suedia: CERN School on Computing (2 săptămâni)

1991, Universidade Nova Lisabona, Portugalia, cercetări în analiza imaginilor și recunoașterea formelor, stagiul PNUD (1 lună)

1996, Ecole Supérieure de Chimie Physique Electronique (CPE) Lyon, Franța, cercetări în segmentarea imaginilor, metrici discrete, arhitecturi procesoare prelucrarea imaginilor/semnalelor, bursier TEMPPRA 5 luni

## LISTA DE LUCRARI (EXTRAS)

### Articole in reviste cotate ISI

1. I.-C. Dragoi, S. G. Stanciu, R. Hristu, H.-G. Coanda, D. E. Tranca, M. Popescu, D. Coltuc, Embedding Complementary Imaging Data in Laser Scanning Microscopy Micrographs by Reversible Watermarking, *Biomedical Optics Express*, Vol. 7, Issue 4, pp. 1127-1137, 2016.
2. S. G. Stanciu, D. E. Tranca, D. Coltuc, Contrast Enhancement Influences the Detection of Gradient Based Local Invariant Features and the Matching of Their Descriptors, *Journal of Visual Communication and Image Representation*, 2015.
3. I.-C. Dragoi, D. Coltuc, On Local Prediction Based Reversible Watermarking, *IEEE Transactions on Image Processing*, vol. 24, no. 4, p. 1244-1246, 2015.
4. I.-C. Dragoi, D. Coltuc, Local Prediction Based Difference Expansion Reversible Watermarking, *IEEE Trans. on Image Processing*, vol. 23, nr. 4, p. 412-417, 2014.
5. D. Coltuc, Low Distortion Transform for Reversible Watermarking, *IEEE Transactions on Image Processing*, vol. 21, no. 1, p. 412-417, 2012.
6. D. Coltuc, Improved Embedding for Prediction Based Reversible Watermarking, *IEEE Transactions on Information Forensics and Security*, vol. 6, no. 3, p. 873-882, 2011.
7. S. G. Stanciu, G. A. Stanciu, D. Coltuc, Automated compensation of light attenuation in confocal microscopy by exact histogram specification, *Microscopy Research and Technique*, vol. 73, no. 3, 165-175, 2010.
8. D. Coltuc, Mathematical Complexity of Running Filters on Semi-Groups and Related Problems, *IEEE Trans. on Signal Processing*, Vol. 56, no. 7, p. 3191-3197, 2008.
9. D. Coltuc, J.-M. Chassery, Very Fast Watermarking by Reversible Contrast Mapping, *IEEE Signal Processing Letters*, vol. 15, nr. 4, p. 255-258, 2007.
10. D. Coltuc, Ph. Bolon, J.-M. Chassery, Exact Histogram Specification, *IEEE Trans. on Image Processing*, vol. 15, nr. 5, p. 1143-1152, 2006.
11. G. Chareyron, D. Coltuc, A. Tremeau, Watermarking and Authentication of Color Images Based on Segmentation of the xyz Color Space, *Journal of Imaging Science & Technology*, vol. 50, no.5, p. 411-423, 2006.
12. D. Coltuc, I. Pitas, Fast Computation of a Class of Running Filters, *IEEE Trans. on Signal Processing*, Vol. 46, nr. 3, p. 549-553, 1998.
13. D. Coltuc, I. Pitas, On Fast Running Max/Min Filtering, *IEEE Trans. on Circuits and Systems-II: Analog and Digital Signal Processing*, Vol. 44, nr. 8, p. 660-663, 1997.
14. D. Coltuc, I. Pitas, Morphological Residual Representations of Signals, *IEEE Trans. on Image Processing*, vol. 5, nr. 11, p. 1569-1572, 1996.
15. V. Buzuloiu, D. Coltuc, Small Image Processing Systems - Performances, Architectures, Functions, *Computer Physics Communications*, Vol. 50, p. 229-235, North Holland, Amsterdam, 1988.

### Carti si capitole de carte (Extras)

1. D. Coltuc, Reversible Watermarking, in *Encyclopedia of Information Science and Technology*, Third Edition, Ed. Mehdi Khosrow-Pour, IGI Global, Hershey, Pennsylvania, pp. 7280-7288, 2015
2. D. Coltuc, The use of watermarking in stereo imaging, in *Depth Map and 3D Imaging Applications: Algorithms and Technologies*, Ed. A. S. Malik, T.-S. Choi and H. Nisar, IGI Global, Hershey, Pennsylvania, p. 331-345, 2012
3. D. Coltuc, *Algorithms for max/min filtering*, in Romanian, ICPE Publishing House, Bucharest, ISBN 973-8067-11-1, 2000.
4. D. Coltuc, *Fundamentals of Digital Image Processing*, in Romanian, ICPE Publishing House, Bucharest, ISBN 973-8067-04-9, 1999.
5. I. Pitas, D. Coltuc, Nonlinear Signal and Image Processing, in *Encyclopedia of Computer Science and Technology*, Vol. 37, Ed. A. Kent, J.G. Williams, Marcel Dekker, Inc., New York, p. 205-223, 1997.

### Conferinte Internationale (Extras)

1. I.-C. Dragoi, D. Coltuc, I. Caciula, Horizontal Pairwise Reversible Watermarking, *European Signal Processing Conference EUSIPCO'2015*, Nice, France, 2015.
2. T. Nedelcu, R. Iordache, D. Coltuc, Alternate multibit embedding method for reversible watermarking, *European Signal Processing Conference EUSIPCO'2015*, Nice, France, 2015
3. C. Dragoi, S. Stanciu, D. Coltuc, D. Tranca, R. Hristu, G. Stanciu, On Packing Laser Scanning Microscopy Images by Reversible Watermarking: a Case Study, *European Signal Processing Conference EUSIPCO'2015*, Nice, France, 2015.
4. I.-C. Dragoi, D. Coltuc, "A simple four-stages reversible watermarking scheme." *Signals, Circuits and Systems (ISSCS)*, 2015 International Symposium on. IEEE, 2015.
5. I. Udrioiu, D. Coltuc. "On optimized histogram bin shifting reversible watermarking for color images." *Signals, Circuits and Systems (ISSCS)*, 2015 International Symposium on. IEEE, 2015.
6. T. Nedelcu, D. Coltuc., "Alternate embedding method for difference expansion reversible watermarking." *Signals, Circuits and Systems (ISSCS)*, 2015 International Symposium on. IEEE, 2015.
7. I.-C. Dragoi, D. Coltuc, I. Caciula, Gradient based prediction for reversible watermarking by difference expansion. In *Proceedings of the 2nd ACM workshop on Information hiding and multimedia security*, pp. 35-40, Salzburg, 2014
8. I. Caciula, D. Coltuc, Improved control for low bit-rate reversible watermarking, *IEEE International Conference on Acoustics, Speech, and Signal Processing (ICASSP)*, Florence, Italy, 2014
9. I.-C. Dragoi, D. Coltuc, Textures and Reversible Watermarking, *European Signal Processing Conference EUSIPCO'2014*, Lisbon, Portugal, 2014

10. T. Nedelcu, R. Iordache, D. Coltuc, Three Stages Prediction-Error Expansion Reversible Watermarking, *European Signal Processing Conference EUSIPCO'2014*, Lisbon, Portugal, 2014.
11. D. Coltuc, I-C. Dragoi, Context embedding for raster-scan rhombus based reversible watermarking. *Proceedings of the first ACM workshop on Information hiding and multimedia security*, p. 215-220, ACM IH&MMSec'13, 10-12 June, 2013.
12. I. Caciula, D. Coltuc, Capacity Control Of Reversible Watermarking By Two-Thresholds Embedding: Further Results, *IEEE International Symposium on Signals, Circuits and Systems, ISSCS'13*, Iasi, Romania, 2013
13. I. Tudoroiu, D. Coltuc, Local Map Versus Histogram Shifting For Prediction Error Expansion Reversible Watermarking, *IEEE International Symposium on Signals, Circuits and Systems, ISSCS'13*, Iasi, Romania, 11-12 July, 2013
14. F. Albu, D. Coltuc, K. Nishikawa, M. Rotaru, An efficient implementation of the kernel affine projection algorithm, *International Symposium on Image and Signal Processing and Analysis ISPA'2013*, September 2013
15. I. Caciula, D. Coltuc, Capacity Control of Reversible Watermarking by Two-Thresholds Embedding, *IEEE Workshop of Information Forensics and Security, WIFS*, p. 223-227, 2012.
16. D. Coltuc, A. Tudoroiu, Multibit Versus Multilevel Embedding in High Capacity Difference Expansion Reversible Watermarking, *European Signal Processing Conference EUSIPCO'2012*, p. 1791-1795, Bucharest, August 2012.
17. C. Dragoi, D. Coltuc, Improved Rhombus Interpolation for Reversible Watermarking by Difference Expansion, *European Signal Processing Conference EUSIPCO'2012*, p. 1688-1692, Bucharest, August 2012.
18. A. Tudoroiu, I. Caciula, D. Coltuc, Block Map Implementation of Difference Expansion Reversible Watermarking, *International Symposium on Signals, Circuits and Systems, ISSCS'11*, Iasi, Romania.
19. D. Coltuc, I. Caciula, H. Coanda, Color Stereo Embedding by Reversible Watermarking, *The Third International Symposium on Electrical and Electronics Engineering, ISEE-2010*, Galati, Romania, p. 256-259, 2010.
20. S. G. Stanciu, D. Coltuc, R. Hristu, C. Stoichita, G. A. Stanciu, Image Fusion for Photonic Quantum Ring Laser Structures Investigated by Confocal Scanning Laser Microscopy, *Intl. Conf. on Transparent Optical Networks - Mediterranean Winter 2009, ICTON-MV'09*, Angers, France 10-12 dec., 2009.
21. D. Coltuc, Modified Versions of Tian's Difference Expansion Reversible Watermarking, *Proceedings of the IEEE International Conference on Image Processing ICIP'09*, Cairo, Egypt, 2009.
22. D. Coltuc, I. Caciula, On Stereo Embedding by Reversible Watermarking: Further Results, *International Symposium on Signals, Circuits and Systems, ISSCS'09*, Iasi, vol. I, p. 121-124, 2009
23. D. Coltuc, Improved Capacity Reversible Watermarking, *IEEE International Conference on Image Processing ICIP'07*, San Antonio, SUA, vol. III, p. 249-252, 2007.
24. D. Coltuc, On Stereo Embedding by Reversible Watermarking, *ISSCS'07*, Iasi, p. 93-96, 2007.
25. D. Coltuc, J.-M. Chassery, Distortion-Free Robust Watermarking: a Case Study, *SPIE Proceedings, Security, Steganography and Watermarking of Multimedia Contents - VIII*, Editor(s): Eduard J. Delp III, Ping W. Wong, p. 8, vol. 6505, 2007.
26. D. Coltuc, J.-M. Chassery, High Capacity Reversible Watermarking, *Proceedings of the IEEE International Conference on Image Processing ICIP'06*, p. 2565-2568, Atlanta, GA SUA, 2006.
27. D. Coltuc, J.-M. Chassery, Simple Reversible Watermarking Schemes: Further Results, *SPIE Proceedings, Security, Steganography and Watermarking of Multimedia Contents - VIII*, Editor(s): Eduard J. Delp III, Ping W. Wong, vol. 6072, p. 739-746, 2006.
28. D. Coltuc, A. Tremeau, Simple Reversible Watermarking Schemes, *SPIE Proceedings, Security, Steganography and Watermarking of Multimedia Contents - VII*, Editor(s): Eduard J. Delp III, Ping W. Wong, vol. 5681, pp. 561-568, 2005.
29. D. Coltuc, J.-M. Chassery, Ph. Bolon, Lossless Watermarking and Authentication of Color Images: a Case Study, *Proceedings of ACIVS'03 - Intl. Conf. on Advanced Concepts for Intelligent Vision Systems*, CD ROM Proceedings, p. 5, Ghent, Belgium, 2003.
30. D. Coltuc, Ph. Bolon, J.-M. Chassery, Towards Blind Detection in Regional Watermarking by Exact Histogram Specification, *Proceedings of ACIVS'02 - Intl. Conf. on Advanced Concepts for Intelligent Vision Systems*, CD ROM Proceedings, p. 5, Ghent, Belgium. September 9-11, 2002.
31. D. Coltuc, Ph. Bolon, J.-M. Chassery, Fragile and Robust Watermarking by Histogram Specification, *SPIE Proceedings, vol. 4657, Security and Watermarking of Multimedia Contents IV*, Editor(s): Delp, Edward J.; Wong, Ping W. USA, p. 701-710, 2002.
32. D. Coltuc, J.-M. Chassery, Ph. Bolon, Image Authentication by Exact Histogram Specification, *Proceedings of the IEEE Fourth Workshop on Multimedia Signal Processing, MMSP'01*, 3-5 Oct, Cannes, France, pp. 499-504, 2001.
33. D. Coltuc, Ph. Bolon, Color Image Watermarking in HSI Space, in *Proceedings of the IEEE International Conference on Image Processing ICIP'2000*, Vancouver, Canada, p. 687-701, oct. 2000.
34. D. Coltuc, Ph. Bolon, Fast Computation of Rank Order Statistics, *Proceedings of the European Signal Processing Conference EUSIPCO'2000*, Tampere, Finland, vol. IV, 2425-2428, 2000.
35. D. Coltuc, Ph. Bolon, Regional Watermarking in Spatial Domain, *Proceedings of the European Signal Processing Conference EUSIPCO'2000*, Tampere, Finland, vol. IV, p. 2165-2168, 2000.
36. D. Coltuc, Ph. Bolon, Robust Watermarking by Histogram Specification, *Proceedings of the IEEE International Conference on Image Processing, ICIP'99*, oct. 25-28, Kobe, Japonia, Vol. II, p. 236-239, 1999.
37. D. Coltuc, Ph. Bolon, Strict Ordering on Discrete Images and Applications, *Proceedings of the IEEE International Conference on Image Processing, ICIP'99*, oct. 25-28, Kobe, Japonia, Vol. III, p. 150-153, 1999.
38. D. Coltuc, Ph. Bolon, Very Efficient Implementation of Max/Min Filters, *Proceedings of the IEEE--EURASIP Workshop on Nonlinear Signal and Image Processing, NSIP'99*, Antalya, Turcia, Vol. II, p. 520-523, 1999.
39. D. Coltuc, Ph. Bolon, Watermarking by Histogram Specification, *SPIE Conference on Security and Watermarking of Multimedia Contents, SPIE Proceedings*, Vol. 3657, p. 252-263, San Diego, CA, USA, 1999.
40. J. M. Becker, D. Coltuc, Sandwich Distances: New Results, *SPIE Proceedings - Vision Geometry VII*, vol. 3454, p. 236-247, 1998.
41. D. Coltuc, Ph. Bolon, Decomposition and Order Statistics in Filtering, *Signal Processing IX, Theories and Applications, EUSIPCO'98*, Rhodos, Grecia, Vol II, p.813-816, 1998.

42. D. Coltuc, Ph. Bolon, An Inverse problem: Histogram Equalization, *Signal Processing IX, Theories and Applications, EUSIPCO'98*, Rhodos, Grecia, Vol II, p. 861-864, 1998.
43. J. M. Becker, D. Coltuc, M. Jourlin, Sandwich Distances, *SPIE Proceedings - Vision Geometry VI*, Vol. 3168, p. 22-32, 1997 si publicata in antologia SPIE Vision Geometry, CD ROM 2000.
44. D. Coltuc, J. M. Becker, Scan-Directional Architectures, *Lecture Notes in Computer Science, Vector and Parallel Processing VECPAR96 - Selected Papers*, Ed. J. Palma, J. Dongarra, Vol. LNCS 1215, Springer Verlag, p. 35-49, 1997.
45. D. Coltuc, Optimal Algorithms for Max/Min Filtering, *Proceedings of IEEE Intl. Symposium on Circuits and Systems, ISCAS'96*, Vol III, p. 129-133, Atlanta, USA, 1996.
46. D. Coltuc, J. M. Becker, V. Buzuloiu, Jordan Features for Image Segmentation, *Proceedings of the 3rd IEEE International Conference on Electronics, Circuits and Systems ICECS'96*, Rhodos, Grecia, Vol I, p. 195-198, oct. 1996.
47. D. Coltuc, I. Brulea, V. Buzuloiu, A Very Fast Algorithm for Min/Max Filtering, *Proceedings of the 3rd IEEE International Conference on Electronics, Circuits and Systems ICECS'96*, Rhodos, Grecia, Vol I, p. 464-466, oct. 1996.
48. D. Coltuc, I. Pitas, Jordan Decomposition Filters, *Proceedings of the IEEE International Symposium on Circuits and Systems, ISCAS'95*, Seattle, Washington, aprilie 29 - mai 5, Vol 3, p. 1896--1899, 1995.
49. D. Coltuc, I. Pitas, Morphological Signal Decomposition, *IEEE Workshop on Nonlinear Signal and Image Processing*, Neos Marmaras, Grecia, Vol. II, p. 983-986, 1995.
50. D. Coltuc, I. Pitas, 1D and 2D Jordan Decomposition Filters, *IEEE Workshop on Nonlinear Signal and Image Processing*, Neos Marmaras, Grecia, iunie 20-22, Vol. II, p. 979-982, 1995.
51. D. Coltuc, I. Pitas, Fast Running Max/Min Filters, *IEEE Workshop on Nonlinear Signal and Image Processing*, Neos Marmaras, Grecia, Vol. II, p. 871-873, 1995.
52. D. Coltuc, Curves Generation on Discrete Lattices, *SPIE Conference on Vision Geometry IV*, San Diego, California, iulie 1995, SPIE Proceedings, Vol. 2573, p. 137-147, 1995.
53. D. Coltuc, I. Pitas, Low Level Image Processing by Jordan Decomposition Filters, *ECCTD'95 - European Conference on Circuit Theory and Design*, 27-31 august, Istanbul, Turcia, p. 817-820, 1995.
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55. D. Coltuc, I. Pitas, Morphological Signal Decomposition in Digital Signal Processing, *International Symposium on Mathematical Morphology - Poster Contributions, Fointanbleau*, p. 5-6, 1994.
56. V. Buzuloiu, D. Coltuc, Non-Linear Processing of Signals for Fast Feature Extraction, Further Results, *IEEE Winter Workshop on Nonlinear Digital Signal Processing*, Tampere, Finlanda, p. 6.3.71-6.3.76, 1993.
57. T. W. Rauber, D. Coltuc, A. S. Steiger-Garcia, Multivariate Discretization of Continuous Attributes for Machine Learning, *Proceedings of the 7th Intl. Symposium on Metodologies for Intelligent Systems*, Norway, K. S. Harber (Ed.), p. 80-94, Oak Ridge, TN, USA, 1993.
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#### Brevete

1. D. Coltuc, M. Datcu, A. Gheorghe, R. Oprea, A. Zamfir, 2-Dimensional memory module, Patent OSIM 89116, 1984.
2. V. Buzuloiu, D. Coltuc, M. Datcu, A. Gheorghe, R. Oprea, A. Zamfir, Multiport reconfigurable memory module, Brevet OSIM 89117, 1984.