

Dan Ștefănoiu

• Publications List •

- **Note:** Publications are in English, French, or Romanian, as indicated by the final labels (E), (F) and respectively (R).

1 Defended Theses

1. Ștefănoiu Dan (Advisor: Professor Petre STOICA)
Signal Analysis by Time–Frequency Methods - Ph.D. Thesis in Automatic Systems, "Politehnica" University of Bucharest (Romania), Dept. of Automatic Control and Computer Science, **April 1995** (R).
2. Ștefănoiu Dan (Advisor: Professor Gheorghe GRIGORE)
Characteristics of Continuous Functions Space - M.Sc. Thesis, University of Bucharest (Romania), Dept. of Mathematics, **February 1993** (R).
3. Ștefănoiu Dan (Advisor: Professor Vlad IONESCU)
Control System for Industrial Robots Based on a Non Linear Model - M.Sc. Thesis, "Politehnica" University of Bucharest (Romania), Dept. of Automatic Control and Computer Science, **June 1986** (R).

2 Books and Book Chapters

1. Culiță Janetta, Ștefănoiu Dan
Analytic and Experimental Modelling of Systems, (230 pages), Printech Press (ISBN: 978–973–718–987–5), Bucharest, Romania, **April 2008** (R).
2. Ștefănoiu Dan, Stănașilă Octavian
Mathematics and Signal Processing: Time-Scale-Frequency Analysis by Using Wavelets, (280 pages), Printech Press (ISBN: 978–973–718–836–6), Bucharest, Romania, **November 2007** (R).
3. Popescu Dumitru, Ștefănoiu Dan et al.
Industrial Automatics, (385 pages), Romanian Academy Press (ISBN: 973–720–093–4) and AGIR Press (ISBN: 978–973–720–093–8), Bucharest, Romania, **December 2006** (R).
4. Ștefănoiu Dan, Ionescu Florin
Computational Intelligence in Fault Diagnosis, chapter: *Fuzzy-Statistical Reasoning in Fault Diagnosis*, (54 pages), Editors: V. Palade, C.D. Bocănială & L. Jain, Springer Verlag (ISBN: 1–84628–343–4), London, UK, **September 2006** (E).
5. Ionescu Florin, Ștefănoiu Dan (editors)
Intelligent and Allied Approaches to Hybrid Systems Modeling, (multi-chapter book, 450 pages), Steinbeis Press Edition (ISBN: 3–939062–31–2), Stuttgart/Berlin, Germany, **December 2005** (E).
6. Ștefănoiu Dan, Culiță Janetta, Stoica Petre
A Foundation of System Modeling and Identification, (335 pages), Printech Press (ISBN: 973–718–368–1), Bucharest, Romania, **December 2005** (R).
7. Ștefănoiu Dan, Ionescu Florin
Interdisciplinary Approaches of Fractal and Chaos Theory, chapter: *Fractal Data Compaction through Matching Pursuit and a Genetic Algorithm*, (20 pages), Editors: R. Dobrescu, & C. Vasilescu, Romanian Academy Press (ISBN: 973–27–1070–5) Bucharest, Romania, **October 2004** (E).

8. Ștefănoiu Dan, Borangiu Theodor, Ionescu Florin
Robot Modelling and Simulation - Problems and Solutions (450 pages + 1 CD Software), Romanian Academy Press (ISBN: 973-27-1082-9) and AGIR Press (ISBN: 973-8466-74-1), Bucharest, Romania, **September 2004** (E).
9. Ștefănoiu Dan
System Modeling, Identification and Control ("Modélisation, Identification et Commande des Systèmes"), chapter: *Data Acquisition and Processing ("Acquisition et Traitement des Données")* (74 pages), Editors: G. Dauphin-Tanguy, L. Foulloy, & D. Popescu, Romanian Academy Press (ISBN: 973-27-1086-1) Bucharest, Romania, **August 2004** (F).
10. Ștefănoiu Dan, Matei Ion, Stoica Petre
A Practical Approach to System Modeling and Identification (150 pages + 1 CD Software), Printech Press (ISBN: 973-718-028-3), Bucharest, Romania, **July 2004** (R).
11. Ștefănoiu Dan
Data Compression (500 pages), Monograph, Printech Press (ISBN: 973-652-817-2), Bucharest, Romania, **May 2003** (R).
12. Ulieru Mihaela, Ștefănoiu Dan, Norrie Douglas
Art for Computational Intelligence in Manufacturing, chapter: *Holonic Metamorphic Architectures for Manufacturing – Identifying Holonic Structures in Multi-Agent Systems by Fuzzy Modeling* (50 pages), Editors: A. Kusiak & J. Wang, Hong-Kong, CRC Press, Boca Raton, Florida, USA, **December 2000** (E).
13. Popescu Dumitru, Ștefănoiu Dan
System Identification and Command (323 pages), translation in Romanian from French; author: Ioan Doré Landau; Editura Tehnică (ISBN: 973-31-1142-2), Bucharest, Romania, **February 1998** (R).
14. Ștefănoiu Dan & al.
Digital Command and Artificial Intelligence in Automatics, (Commande Numérique et Intelligence Artificielle en Automatique) chapters: "Identification and identifiability" ("Identification et identifiabilité") (45 pages), "Digital Command" ("Commande numérique") (50 pages) – Editors: Sylviane Gentil, Dumitru Popescu, Editura Tehnică (ISBN: 973-31-1001-0), Bucharest, Romania, **March 1997** (F).

3 Papers printed in Journals

1. Ștefănoiu Dan, Culiță Janetta, Ionescu Florin
Fast Methods for Identification of Vibration Defects – "Politehnica" University of Bucharest Scientific Bulletin, C Series - Electrical Engineering (ISSN: 1454-2331), Vol. ?, No. ?, pp. ?-?, **February 2009** (E).
2. Culiță Janetta, Ștefănoiu Dan, Ionescu Florin
Semi-Empirical Methods for Bearings Diagnosis – "Politehnica" University of Bucharest Scientific Bulletin, C Series - Electrical Engineering (ISSN: 1454-2331), Vol. 70, No. 4, pp. 61-74, **November 2008** (E).
3. Ștefănoiu Dan, Petrescu Cătălin
A Method of Distributed Data Fusion Based on Orthogonal Wavelets – Control Engineering and Applied Informatics (CEAI) Journal (ISSN: 1454-8658), Vol. 10, No. 3, pp. 37-45, **September 2008** (E).
4. Petrescu Cătălin, Ștefănoiu Dan, Lupu Ciprian
Performance Evaluation of Motion Estimation in DCT Transform Domain – WSEAS Transactions on Signal Processing (ISSN: 1790-5052, INSPEC referenced), Issue 6, Vol. 4, pp. 371-380, **June 2008** (E)
5. Ștefănoiu Dan, Culiță Janetta
Signal Compaction by Maximum Verisimilitude – "Politehnica" University of Bucharest Scientific Bulletin, C Series - Electrical Engineering (ISSN: 1454-234x), Vol. 70, No. 3, pp. 59-74, **June 2008** (E).

6. Culiță Janetta, Ștefănoiu Dan, Ionescu Florin
Simulation Models of Defect Encoding Vibrations – Control Engineering and Applied Informatics (CEAI) Journal (ISSN: 1454-8658), Vol. 9, No. 2, pp. 59–67, **June 2007** (E).
7. Ștefănoiu Dan
Fault Diagnosis by Fuzzy-Statistical Reasoning – Journal of Intelligent and Fuzzy Systems (IOS Press), Special issue on "Engineering Applications of Computational Intelligence" (ISSN: 1064-1246), No. 4, pp. 255–266, **December 2004** (E).
8. Ștefănoiu Dan, Tăbuș Ioan
Lossless Signal Compression Using Adaptive Lifting I2I Transforms – Studies in Informatics and Control (ISSN: 1220-1766), Vol. 11, No. 4, pp. 313–329, **December 2002** (E).
9. Ștefănoiu Dan, Tăbuș Ioan
Euclidean Lifting Schemes for I2I Wavelet Transform Implementation – Studies in Informatics and Control (ISSN: 1220-1766), Vol. 11, No. 3, pp. 255–270, **September 2002** (E).
10. Ionescu Florin, Ștefănoiu Dan, Vlad Crina Irena
Modular Structured Model Design, Simulation and Control of Hydraulic or Pneumatic Driving Systems by Using HYPAS – The Journal of American-Romanian Academy (ISBN 3-00-011583-8), Vol. 25-27, pp. 168–177, **2000-2002** (E).
11. Ulieru Mihaela, Ștefănoiu Dan, Norrie Douglas
Fault Recovery in Distributed Manufacturing Systems by Emergent Holonic Reconfiguration: A Fuzzy Multi-Agent Modeling Approach. - Information Sciences, Special issue on Soft Computing Applications to Fault Diagnosis, Tome 42, No. 1, pp. 105–126, **September 2000** (E).
12. Ștefănoiu Dan
A Theory of Discrete Time Multiresolution Structure: II. Discrete Orthogonal Wavelet Packets (Une théorie de la structure multirésolutive discrète: II. Paquets d'ondelettes discrètes orthogonales) – Révue Roumaine des Sciences Techniques, Série Électrotechnique et Énergétique, Tome 42, No. 1, pp. 105–126, **1997**
(Editor: Romanian Academy) (F).
13. Ștefănoiu Dan
A Theory of Discrete Time Multiresolution Structure: I. Canonical Discrete Orthogonal Wavelet Bases (Une théorie de la structure multirésolutive discrète: I. Bases canoniques d'ondelettes discrètes orthogonales) – Révue Roumaine des Sciences Techniques, Série Électrotechnique et Énergétique, Tome 41, No. 4, pp. 521–542, **1996**
(Editor: Romanian Academy) (F).
14. Popescu Dumitru, Stăgărăscu Marian, Ștefănoiu Dan
Modeling and Simulation Method Applied to the Displacements of a Hydro-Dam – Révue Roumaine des Sciences Techniques, Série Électrotechnique et Énergétique, Tome 41, No. 3, pp. 391–400, **1996**
(Editor: Romanian Academy) (E).
15. Ștefănoiu Dan
Time-Scale Methods Applied in Speech Coding – Volume "Journée d'évaluation" devoted to TEMPUS Project PEC 2736-91, Printing House of "Politehnica" University, Bucharest, Romania, pp. 21-29, **June 1994** (F).
16. Ștefănoiu Dan
The Classical Solution of Signal Processing Problem and the Wavelets Solution – Studies in Informatics and Control (ISSN: 1220-1766), Vol. 3, No. 1, pp. 97–110, **March 1994** (E).
17. Ștefănoiu Dan, Stoica Petre, Tăbuș Ioan, Petre Daniel
New Techniques in the Field of System Identification and Modeling – Romanian Journal for Informatics, Research Institute for Informatics, Bucharest, Romania, No. 1, pp. 10–16, **1993** (R).

18. Petre Daniel, Ștefănoiu Dan, Stoica Petre, Tăbuș Ioan
Non Linear System Identification – Romanian Journal for Informatics, Research Institute for Informatics, Bucharest, Romania, No. 1, pp. 5–9, **1993** (R).
19. Tăbuș Ioan, Petre Daniel, Ștefănoiu Dan, Stoica Petre
Fast Algorithms within Modern System Identification – Romanian Journal for Informatics, Research Institute for Informatics, Bucharest, Romania, No. 3-4, pp. 23–28, **1991** (R).
20. Stoica Petre, Tăbuș Ioan, Petre Daniel, Ștefănoiu Dan
System Identification and Modelling – Romanian Journal for Informatics, Research Institute for Informatics, Bucharest, Romania, No. 3-4, pp. 19–22, **1991** (R).
21. Ștefănoiu Dan
On Binomial Coefficients Summing – Essays - the Scientific Journal of "George Bacovia" High School (Bacau, Romania), No. 1, pp. 38–42, **1979** (R).

4 Communications in Proceedings of International Scientific Events

1. Ștefănoiu Dan, Ionescu Florin, Culiță Janetta
Optimal Prediction Based on Wavelets - International Francophone Conference in Automatics CIFA-2008 (an IEEE event) (ISBN: 978-2-915913-24-8), Bucharest, Romania, Paper no. T2-R-00-0366, pp. 366–371, **September 3-5, 2008** (F).
2. Ștefănoiu Dan, Petrescu Cătălin
Interface and Data Fusion Method, Based on Wavelets, for Distributed Sensors - International Francophone Conference in Automatics CIFA-2008 (an IEEE event) (ISBN: 978-2-915913-24-8), Bucharest, Romania, Paper no. T21-I-30-0414, pp. 414–419, **September 3-5, 2008** (F).
3. Petrescu Cătălin, Ștefănoiu Dan, Lupu Ciprian
Motion Estimation in 2D-DCT Transform Domain - The 9th WSEAS International Conference on Automation and Information ICAI'08, a publication of WSEAS Press (ISBN: 978-960-6766-77-0, ISI Thomson and INSPEC referenced), Bucharest, Romania, pp. 499-504, **June 24-26, 2008** (E).
4. Ștefănoiu Dan, Culiță Janetta, Ionescu Florin
FORWAVER - A Wavelet-Based Predictor for Non Stationary Signals - Industrial Simulation Conference ISC-2008, Lyon, France, A publication of EUROSIS-ETI (ISBN 978-90-77381-4-03), ISI-Thomson and INSPEC referenced, pp. 377–381, **June 9-11, 2008** (E).
5. Ștefănoiu Dan, Petrescu Cătălin
VISA - A Versatile Interface of Signal Acquisition and Wavelet Based Data Fusion - The 5th Europe-Asia Congress on Mechatronics (Mechatronics-2008, ISBN: 978-3-876923-22-7), Annecy, France, Paper no. 167, pp. 167–172, **May 21-23, 2008** (E).
6. Ștefănoiu Dan, Culiță Janetta
Time Series Prediction and Compression through Wavelet Packets - The 16-th International Conference on Control Systems and Computer Science CSCS-16, Bucharest, Romania, (PRINTECH Editions, ISBN: 978-973-718-741-3), pp. 170–175, **May 23-25, 2007** (E).
7. Ionescu Florin, Ștefănoiu Dan
Using of Matching Pursuit and Genetic Algorithms for Bearings Fault Detection, Diagnosis and Prediction - The biennial ISMA Conference on Noise and Vibration Engineering, ISMA-2006, Katholieke Universiteit Leuven Printing House (ISBN: 90-73802-83-0, INSPEC referenced), Leuven, Belgium, pp. 3475–3484, **September 18-20, 2006** (E).
8. Ștefănoiu Dan
Fuzzy Numerical Models in Manufacturing - IMACS-IEEE Multi-Conference (on CD, ISBN: 95-76250-76-3), Paris, France, pp. 1247–1252, **July 12-16, 2005** (E).

9. Ștefănoiu Dan
Using Fuzzy Measures of Uncertainty to Manage Complex Systems - IFAC Congress (ISBN: 0-08-045108-X, ISI-Thomson and INSPEC referenced, Elsevier database), Prague, Czech Republic, pp. 753–758, **July 4-8, 2005** (E).
10. Dumitrascu Alexandru, Hangiu Mihai, Ștefănoiu Dan
Compression Techniques in Ecology Monitoring - The 15th International Conference on Control Systems and Computer Science CSCS-15 (ISBN 978-973-118-335-2), Bucharest, Romania, pp. 135-140, **May 25-27, 2005** (E).
11. Ștefănoiu Dan, Borangiu Theodor
RoWoBo - An Algorithm of Planar Workspace Boundaries Drawing - RAAD-2005 Conference (ISBN: 978-887-245-253-7), Bucharest, Romania, pp. 544–549, **May 10-14, 2005** (E).
12. Dumitrașcu Alexandru, Hangiu Mihai, Ștefănoiu Dan
Data Compression and Transfer within Environmental Processes - CSCS-15 International Conference, Bucharest, Romania, (Politehnica Press, Bucharest, ISBN: 973-8449-89-8), pp. 311–316, **May 10-14, 2005** (E).
13. Ștefănoiu Dan
Interdisciplinary Approaches Targeting Complex Models in Engineering - The third Colloquium "Mathematics in Engineering and Numerical Physics" MENP-2004, Bucharest, Romania, pp. 31–36, **October 7-9, 2004** (E).
14. Ștefănoiu Dan, Borangiu Theodor, Ionescu Florin
Generating Planar Workspace Boundaries by Radius Parsimonious Increase - IFAC Workshop on Intelligent Assembly and Disassembly, IAD 2003, Bucharest, Romania, (IFAC Publications, Oxford, Pergamon Press), pp. 90–95, **October 9-11, 2003** (E).
15. Ștefănoiu Dan, Ionescu Florin
Faults Diagnosis through Genetic Matching Pursuit - The Seventh International Conference on Knowledge-Based Intelligent Information & Engineering Systems KES 2003, Oxford, UK, (Springer Verlag Berlin Heidelberg, ISBN: 3-540-40803-7), Vol. I, pp. 733–740, **September 3-5, 2003** (E).
16. Ionescu Florin, Ștefănoiu Dan
Bearings Fault Diagnosis by Using a Genetic Algorithm - IASTED International Conference on Artificial Intelligence and Soft Computing, ASC 2003, Banff (Alberta), Canada, pp. 245-250, **July 14-16, 2003** (E).
17. Ștefănoiu Dan, Ionescu Florin
Maximum Verisimilitude Frequency Averaging of Signals - IMACS-IEEE Multi-conference on Computational Engineering in Systems Applications, CESA 2003, Lille, France, (ISBN: 2-9512309-5-8), pp. 271–278, **July 9-11, 2003** (E).
18. Ștefănoiu Dan, Ionescu Florin
A Genetic Matching Pursuit Algorithm - Seventh IEEE-EURASIP International Symposium on Signal Processing and its Applications, ISSPA 2003, Paris, France, (IEEE Catalog number: 03EX714C, ISBN: 0-7803-7947-0), pp. 577–580, **July 1-4, 2003** (E).
19. Ștefănoiu Dan, Ionescu Florin
Denoising of Vibration acquired in Hostile Environments - The 28-th Congress of American-Romanian Academy ARA 2003, Tg. Jiu, Romania, pp. 127–132, **June 3-8, 2003** (E).
20. Ștefănoiu Dan, Ionescu Florin
A Genetic Matching Pursuit Algorithm for Fractal Data Denoising and Compression - First Eastern European Symposium on Interdisciplinary Approaches in Fractal Analysis, IAFA 2003, Bucharest, Romania, pp. 79–84, **May 7-10, 2003** (E).
21. Ștefănoiu Dan, Ionescu Florin
A Fuzzy-Statistical Reasoning Model for Bearings Fault Diagnosis - IEEE International Conference on Systems, Man and Cybernetics, SMC-2002, Hammamet, Tunis, (IEEE Catalog number: 02CH37349C, ISBN: 0-7803-7438-X), pp. 445–450, **October 6-9, 2002** (E).

22. Ștefănoiu Dan, Ionescu Florin, Norrie Douglas
A Low Complexity Algorithm for the Least Ambiguous Strategies Selection - IASTED Conference on Artificial and Computational Intelligence, ACI-2002, Tokyo, Japan, (ACTA Press, ISBN: 0-88986-358-X), pp. 106–111, **September 25-28, 2002** (E).
23. Ionescu Florin, Ștefănoiu Dan
HYPAS - A Modular Structured Model Design, Simulation and Control Programming Environment - IASTED Conference on Artificial and Computational Intelligence, ACI-2002, Tokyo, Japan, (ACTA Press, ISBN: 0-88986-358-X), pp. 324–329, **September 25-28, 2002** (E).
24. Ștefănoiu Dan, Ionescu Florin
A Fuzzy-Statistical Approach of Defect Diagnosis Using Bearings Vibration - The 23-rd International Conference on Noise and Vibration Engineering, ISMA-2002, Leuven, Belgium, (Eds. P. Sas & B. Van Hal, ISBN: 90-73802-79-2), pp. 1519–1528, **September 16-18, 2002** (E).
25. Ștefănoiu Dan, Tăbuș Ioan, Ionescu Florin
Sampled Data Classifiers - The 6-th International Conference on Knowledge-Based Intelligent Information and Engineering Systems, KES-2002, Crema, Italy (IOS Press, ISBN: 1-58603-280-1), pp. 199–203, **September 16-18, 2002** (E).
26. Ștefănoiu Dan, Norrie Douglas, Ionescu Florin
Using IDA for Multi-Agent Systems Planning* - IASTED Conference on Artificial Intelligence and Applications, AIA-2002, Málaga, Spain (ACTA Press, ISBN: 0-88986-352-0), pp. 423–428, **September 9-12, 2002** (E).
27. Ștefănoiu Dan, Tăbuș Ioan
Adaptive I2I Wavelet Trees with Quotient-Reminder Updating for Lossless Signal Compression - International TICSP Workshop on Spectral Methods and Multirate Signal Processing, SMMS'02, Toulouse, France (TICSP series # 17, ISBN: 952-15-0881-7), pp. 203–210, **September 7-8, 2002** (E).
28. Ionescu Florin, Ștefănoiu Dan
Bearings Fault Classifications by Using Fuzzy Entropy - IASTED Conference on Artificial Intelligence and Soft Computing, ASC-2002, Banff, Canada, **July 17-19, 2002**; in Proceedings of IASTED Conference on Artificial Intelligence and Applications, AIA-2002, Málaga, Spain (ACTA Press, ISBN: 0-88986-352-0), pp. 589–594, **September 7-9, 2002** (E).
29. Ștefănoiu Dan, Ionescu Florin
Modelling Human Expert Faults Diagnosis by Fuzzy Reasoning - IASTED Conference on Applied Simulation and Modelling, ASM-2002, Heraklion, Crete, Greece (ACTA Press, ISBN: 0-88986-334-2), pp. 367–372, **June 25-28, 2002** (E).
30. Ștefănoiu Dan, Ionescu Florin
Characteristics of Defect Encoding Mechanical Vibration - The 27-th American-Romanian Congress, ARA-2002, Oradea, Romania, (ISBN 2-553-01024-9), pp. 878–882, **May 29 – June 2, 2002** (E).
31. Ștefănoiu Dan, Ionescu Florin, Popescu Dumitru
Fuzzy Clustering and Time-Frequency Approach for Fault Diagnosis - The 5-th International Conference on Knowledge-Based Intelligent Information and Engineering Systems, KES-2001, Osaka, Japan, (IOS Press, ISBN: 1-58603-192-9), pp. 278–282, **September 9-14, 2001** (E).
32. Ștefănoiu Dan, Ionescu Florin, Popescu Dumitru
Faults Diagnosis by Fuzzy Clustering and Time-Frequency Dictionary - The 26-th American-Romanian Congress, ARA-2001, Montreal, Canada, pp. 427–432, **July 20-25, 2001** (E).
33. Ștefănoiu Dan, Norrie Douglas
Multi-Agent Systems Planning by Ambiguity Minimization - International Conference on Intelligent Systems and Applications, ISA-2000, Wollongong, Australia, Vol. 2, pp. 209–215, **December 12-15, 2000** (E).

34. Ulieru Mihaela, Ștefănoiu Dan, Norrie Douglas
Holonic Self-Organization of Multi-Agent Systems by Fuzzy Modeling, with Application to Intelligent Manufacturing - IEEE International Conference on Systems, Man and Cybernetics, SMC-2000, Nashville, USA, pp. 1661–1666, **October 2000** (E).
35. Ștefănoiu Dan, Tăbuș Ioan
Degenerate Eigenvalues – A Method to Design Optimum Filter Banks with Wavelets - International Conference EUSIPCO-2000, Tampere, Finland, pp. 67–72, **September 4-8, 2000** (E).
36. Ulieru Mihaela, Ștefănoiu Dan, Norrie Douglas
Uncertainty Minimization in Multi-Agent Systems by Fuzzy Modeling - International Conference on Intelligent Autonomous Systems, IAS-2000, Venice, Italy, pp. 215–220, **July 25-27, 2000** (E).
37. Ștefănoiu Dan, Ulieru Mihaela, Norrie Douglas
Fuzzy Modeling of Multi-Agent Systems Behavior: Vagueness Minimization - World Multi-conference on Systemics, Cybernetics and Informatics, SCI-2000, Orlando, Florida, USA, Vol. III, pp. 118–123, ISBN 980-07-6695-2 (IIS – International Institute of Informatics and Systemics), **July 23-26, 2000** (E).
38. Ștefănoiu Dan, Tăbuș Ioan
Speech Coding Gain Maximization by Eigenvalues Degenerating - International Conference on Information Systems, Analysis and Synthesis, ISAS-2000, Orlando, Florida, USA, Vol. VI, pp. 52–57, ISBN 980-07-6695-2 (IIS – International Institute of Informatics and Systemics), **July 23-26, 2000** (E).
39. Ștefănoiu Dan, Ulieru Mihaela, Norrie Douglas
A Fuzzy Modeling Approach to Multi-Agent Systems: Vagueness Minimization - International Symposium on Engineering of Intelligent Systems, EIS-2000, Paisley, Scotland, UK, pp. 611–617, ISBN 3-906454-23-1 (ICSC – International Computer Science Conventions, Canada/Switzerland), **June 26-30, 2000** (E).
40. Ulieru Mihaela, Ștefănoiu Dan, Norrie Douglas
Holonic Self-Organization of Multi-Agent Systems by Fuzzy Modeling, with Application to Intelligent Manufacturing - JCIS-2000 International Conference on Intelligent Systems, Atlantic City, USA, pp. 421–426, **February 28 – March 3, 2000** (E).
41. Ștefănoiu Dan
On Non Uniform Sampling of Signals - CSCS-12 International Conference, "Politehnica" University, Bucharest, Romania, pp. 405–410, **May 25–30, 1999** (E).
42. Ștefănoiu Dan, Popescu Dumitru, Alexandru Monica
Fourier Modelling via Variable Rate Sampling - IASTED Conference MIC'99, Innsbruck, Austria, pp. 535–540, **February 18–23, 1999** (E).
43. Ștefănoiu Dan
Discrete Tight Frames Using Parametric Wavelets - IASTED Conference on Signal and Image Processing, SIP'97, New Orleans, Louisiana, USA, pp. 296–402, **December 4–6, 1997** (E).
44. Ștefănoiu Dan
Parametric Wavelets: Tight Frames Class - IFAC International Conference SSC'97, "Politehnica" University, Bucharest, Romania, pp. 149–155, **October 23–28, 1997** (E).
45. Popescu Dumitru, Stăgărăscu Marian, Ștefănoiu Dan
Stochastic Decisions in Supervisory Control - The 15-th IMACS World Congress on Scientific Computation, Modeling and Applied Mathematics, Berlin, Germany, pp. 1215–1220, **August 24–29, 1997** (E).
46. Popescu Dumitru, Ștefănoiu Dan
Modeling and Simulation of the Displacement of Hydro-Energy Systems - The 15-th IMACS World Congress on Scientific Computation, Modeling and Applied Mathematics, Berlin, Germany, pp. 775–780, **24–29 August 1997** (E).

47. Ștefănoiu Dan
Parametric Wavelets: Morlet and Meyer Classes - CSCS-11 International Conference, "Politehnica" University, Bucharest, Romania, pp. 108–111, **May 28–30, 1997** (E).
48. Ștefănoiu Dan
Endowing l^2 Space with Flexible Multiresolution Structures - IASTED International Conference SIPA'96, Annecy, France, pp. 467–472, **June 12–14, 1996** (E).
49. Kastantin Radwan, Ștefănoiu Dan, Feng Gang
Speech Coding based on Discrete-Time Wavelets Transform. Psycho-acoustic Models Contribution. (Coda de la parole basé sur la Transformation en Ondelettes Discrètes. Apport des modèles psycho-acoustiques.) - Quinzième Colloque sur le Traitement du Signal et des Images, GRETSI'95, Juan-les-Pins, France, pp. 337–340, **September 18–21, 1995** (F).
50. Ștefănoiu Dan, Kastantin Radwan, Feng Gang
High Quality Speech Coding Based on the Generalized Discrete-Time Wavelet Transform and Human Auditory System Properties - Fourth European Conference on Speech Communication and Technology, EUROSPEECH'95, Madrid, Spain, pp. 661–664, **September 18–21, 1995** (E).
51. Kastantin Radwan, Ștefănoiu Dan, Feng Gang, Martin Nadine, Mrayati Mohamed
Optimal Wavelets for High Quality Speech Coding - EUSIPCO '94 Symposium, Appleton Tower, University of Edinburgh, Scotland, UK, pp. 399–403, **September 13–16, 1994** (E).
52. Kastantin Radwan, Ștefănoiu Dan, Feng Gang, Martin Nadine, Mrayati Mohamed
Low Rate High Quality Speech Coding Based On the Discrete-Time Wavelet Transform - French Colloquy "Temps-fréquence, ondelettes et multirésolution: théorie, modèles et applications", Lyon, France, pp. 21-1–21-4, **March 10–11, 1994** (F).
53. Ștefănoiu Dan
Introduction to Signal Processing with Wavelets - International Conference CSCS-9, "Politehnica" University, Bucharest, Romania, pp. 143-155, **May 25–28, 1993** (E).
54. Ștefănoiu Dan, Zoican Sorin
The Analogical Signature Analysis – Simulation Method - The 17-th IASTED International Symposium – Simulation and Modeling Section, Lugano, Switzerland, pp. 85–90, **June 19–29, 1989** (E).

5 Communications in Proceedings of Romanian Scientific Events

1. Patrolea Ileana, Ștefănoiu Dan, Merezeanu Dan
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