

Europass Curriculum Vitae



Personal information

First name(s) / Surname(s) **CIORTAN Sorin**
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E-mail sorin.ciortan@ugal.ro
Nationality Romanian
Date of birth 10.03.1959
Gender M

Work experience

<p>Dates</p> <p>Occupation or position held</p> <p>Main activities and responsibilities</p> <p>Name and address of employer</p> <p>Type of business or sector</p> <p>Dates</p> <p>Occupation or position held</p> <p>Main activities and responsibilities</p> <p>Name and address of employer</p> <p>Type of business or sector</p> <p>Dates</p> <p>Occupation or position held</p> <p>Main activities and responsibilities</p> <p>Name and address of employer</p> <p>Type of business or sector</p> <p>Dates</p> <p>Occupation or position held</p> <p>Main activities and responsibilities</p> <p>Name and address of employer</p> <p>Type of business or sector</p> <p>Dates</p> <p>Occupation or position held</p> <p>Main activities and responsibilities</p>	<p>2002 untill now</p> <p>Associate Professor, PhD, eng.</p> <p>Courses and seminars on: 1. Mechanical Engineering, 2. C.A.D., 3. Applied Informatics</p> <p>"Dunărea de Jos" University of Galati</p> <p>Didactic and scientific research</p> <p>1997 - 2002</p> <p>Lecturer eng.</p> <p>Courses and seminars on: 1. Mechanical Engineering, 2. C.A.D., 3. Applied Informatics</p> <p>"Dunărea de Jos" University of Galati</p> <p>Didactic and scientific research</p> <p>1990 - 1997</p> <p>Assistant eng.</p> <p>Seminars on: 1. Mechanical Engineering, 2. C.A.D., 3. Applied Informatics</p> <p>"Dunărea de Jos" University of Galati</p> <p>Didactic and scientific research</p> <p>1989 - 1990</p> <p>Researcher eng.</p> <p>Scientific research in Mechanical Engineering field</p> <p>"Dunărea de Jos" University of Galati</p> <p>Scientific research</p> <p>1984 - 1989</p> <p>Mechanical Design eng.</p> <p>Computer assisted design of mechanical equipment</p>
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Name and address of employer SC SIDEX S.A.
 Type of business or sector Computer aided design

Education and training

Dates **2001 - 2003**
 Title of qualification awarded Master of Science Degree in Applied Informatics
 Name and type of organisation providing education and training "Dunărea de Jos" University of Galati

Dates **1994 - 2000**
 Title of qualification awarded PhD Degree in Mechanical Engineering
 Name and type of organisation providing education and training "Dunărea de Jos" University of Galati

Dates **1979 - 1984**
 Title of qualification awarded Bachelor Degree in Mechanical Engineering
 Name and type of organisation providing education and training "Dunărea de Jos" University of Galati

Personal skills and competences

Mother tongue(s) **Romanian**

Other language(s) **English, French**

Self-assessment
European level ()*

Language English

Language French

Understanding				Speaking				Writing	
Listening		Reading		Spoken interaction		Spoken production			
C2	average	C2	advanced	B2	average	B2	average	B2	average
B2	average	B2	average	A1	basic	A1	basic	A1	basic

(*) [Common European Framework of Reference for Languages](#)

Social skills and competences Professional communication (speaking and writing), team working, crisis management

Organisational skills and competences Academic management: Vice-Dean, Department Manager

Technical skills and competences Mechanical Engineering, Computer Aided Design, Experimental Researching Methods, Mechanical Testing and Diagnosis

Computer skills and competences Advanced computer uses, Neural Network simulation, Data acquisition

Driving licence B since 1980, A since 1982

Annexes Scientific Papers List

SCIENTIFIC PAPERS LIST

PhD Thesis

S. Ciortan, 2000, *Cercetări asupra comportării garniturilor din materiale polimerice folosite la etanșările cu contact*, Universitatea Dunărea de Jos", Galați.

BOOKS

I. Didactic

1. Ștefănescu, L. Tomescu, **S. Ciortan**, 1997, *Materiale folosite în construcția de mașini. Caracterizare, Simbolizare, Domenii de utilizare*. Editura Universității din Galați.
2. C. Fălțiceanu, **S. Ciortan**, L. Fălțiceanu, M. Manea, I. Mircea, 2002, *Etanșări cu contact mobil. Ghid pentru proiectarea etanșărilor cu presgarnitură*. Editura Evrika, Brăila, ISBN 973-641-011-0.
3. **S. Ciortan**, 2002, *CAD Avansat*. Editura Evrika, Brăila, ISBN 973-8052-94-7
4. **S. Ciortan**, O. Bologa, 2003, *MATHCAD – Proiectare interactivă. Prelucrarea datelor experimentale obținute în laborator. Partea I – Manual de utilizare*. Editura Evrika, Brăila, ISBN 973-641-041-2.
5. O. Bologa, **S. Ciortan**, 2003, *MATHCAD – Proiectare interactivă. Prelucrarea datelor experimentale obținute în laborator. Partea II – Experimente de laborator cu montaje MathConnex*. Editura Evrika, Brăila, ISBN 973-641-041-2.
6. Fălțiceanu, **S. Ciortan**, O. Bologa, L. Fălțiceanu, M. Manea, 2003, *Abordări moderne ale cercetării etanșărilor fără contact*. Editura Evrika, Brăila.

II. Mechanical engineering

1. L. Palaghian, **S. Ciortan**, M. Râpă, 2000, *Aspects regarding the structural modifications in wear and fatigue*. Kluwer Academic Publishers.

SCIENTIFIC ARTICLES

1. ISI indexed:

1. L. Palaghian, **S. Ciortan**, 1998, *Aspects of damages' evolution in the superficial layers in wear process*. International Wear,.
2. M. Râpă, C. Spănu, **S. Ciortan**, 2009, *Characterisation of Hydraulic Oils by Shear Stability and Extreme Pressure Tests*, Journal of The Balkan Tribological Association, Vol. 15, Iss. 1, pp. 93-102

2. BDI indexed:

1. V. Palade, **S. Ciortan**, M. Hapenciuc, 1998, *Stand pentru Incercarea în condiții de solicitare graduală a materialelor folosite la construirea lagărelor de laminor*. Analele Universității din Galați, Vol.3, pp.124-127.
2. V. Palade, **S. Ciortan**, M. Hapenciuc, 2000, *Some results about sliding speed influence on the polypropilene bearings*. Analele Universității din Galați, Fascicle VII, Tribology, pp.70-72, ISSN 1220-0824.
3. V. Palade, **S. Ciortan**, M. Hapenciuc, 2001, *The influence of lubrication environment and of sliding speed on high densified wood used as bearing*. Analele Universității din Galați, Fascicle VII, Tribology, pag.16-18, ISSN 1220-0824.
4. L. Palaghian, **S. Ciortan**, I. Birsan, 2001, *About fatigue and wear damage in corrosive environment*. Analele Universității din Galați, Fascicle VII, Tribology, pag.3-7, ISSN 1220-0824.
5. **S. Ciortan**, I. Birsan, 2002, *Advanced method for stuffing box packings functioning*. Analele Universității din Galați, Fascicle VII, Tribology, pag.16-19, ISSN 1220-0824.
6. L. Palaghian, **S. Ciortan**, M. Bucșă, 2003, *Fatigue reliability of spur gear used in machine tools*. Romanian Journal of Mechanical Transmission.
7. L. Palaghian, **S. Ciortan**, 2004, *The preliminary study about the state of superficial layer by environmentally assisted cracking and predicting possibilities*. Analele Universității din Galați, Fascicle VII, Tribology, pag.16-19, ISSN 1220-0824.
8. C. Fălțiceanu, **S. Ciortan**, O. Bologa, L. Fălțiceanu, M. Manea, 2004, *Cercetări teoretice și experimentale asupra etanșărilor fără contact*. Revista TCMM.
9. L. Palaghian, M. Bucșă, **S. Ciortan**, 2005, *Pitting corrosion source of initial fatigue crack*. Analele Universității din Galați, Fascicle VII, Tribology, pag.16-19, ISSN 1220-0824.
10. S. Băicean, L. Palaghian, **S. Ciortan**, M. Thompson, 2008, *Electrochemical and mechanical changes on fatigue corrosion damaged surfaces*. Analele Universității din Galați, Fascicle VII, Tribology, pag.161-167, ISSN 1221-4590.
11. C. Spănu, M. Râpă, **S. Ciortan**, 2008, *Study of wear evolution for a hydraulic oil using a four ball tester*. Analele Universității din Galați, Fascicle VII, Tribology, pag.169-189, ISSN 1221-4590.
12. **S. Ciortan**, M. Râpă, S. Chiculiță, 2008, *Influence of shear stability as oil's performance indicator*. Analele Universității din Galați, Fascicle VII,

13. L. Deleanu, **S. Ciortan**, L. Maftei, A. Petrică, A. Cantaragiu, G. Podaru, 2009, *Interdisciplinary approach of tribological test program for polymeric composites*. The Annals of "Dunarea de Jos" University of Galati, Fascicle V, Technologies in Machine Building, ISSN 1221-566.
14. L. Deleanu, **S. Ciortan**, 2010, *Evaluating tribological damages by 3D profilometry*. Acta Tribologica, vol.18, p.113-118, ISSN 1220-8434.

3. International Scientific Conferences

1. L. Palaghian, I. Bârsan, **S. Ciortan**, L. Tomescu, 1995, *Some results concerning the influence of corrosive environment in the fatigue of steel grade for shipbuilding*. M-203 Report, Ship Laboratories, Helsinki University of Technology, pp.9-12.
2. L. Palaghian, I. Bârsan, L. Tomescu, **S. Ciortan**, 1998, *Influence of welding technology on fatigue strength in corrosive environment*. Proceedings of International Symposium on Pipeline Welding PIPELINE WELDING'98, Istanbul, Turkey, pp152-158
3. L. Palaghian, **S. Ciortan**, 1998, *Some researches about dynamics of structural changes in fatigue crack tip*. Proceedings of 15-th Symposium "Danubia-Adria", On experimental methods in Solid Mechanics, Bertino-Forly, Italy, pp.201-202.
4. L. Palaghian, **S. Ciortan**, 1998, *On the behavior of the superficial layer in corrosion fatigue and wear condition*. Proceedings of Symposium on Computational and Experimental Methods in Mechanical and Thermal Engineering, Belgium, pp.150-155.
5. L. Palaghian, **S. Ciortan**, 1998, *Aspects about the influence of the magnetic field on the behavior of low-alloyed steel in fatigue*. Proceedings of the Second-Pacific Asia Conference on Mechanical Engineering 2PACME, Manilla, Philippines, September, pp.253-260.
6. L. Palaghian, **S. Ciortan**, 1999, *The influence of half-manufactured's obtaining technology on rolled steels' fatigue resistance*. Proceedings of the 2-nd ESAFORM Conference on Material Forming, Guimaraes, Portugal, pp.203-206.
7. L. Palaghian, I. Bârsan, **S. Ciortan**, 1999, *Some wear's tribochemical aspects*. Proceedings of the International Conference Problems of Non-conventional Bearing Systems NCBS'99, Technical University of Zielona Góra, Poland, pp.173-179.
8. L. Palaghian, **S. Ciortan**, V.Palade, M. Bucșă, 2000, *The influence of magnetic field on the resistance in corrosive environment*. Proceedings of EUROMAT 2000, vol.II, Tours, France.
9. L. Palaghian, **S. Ciortan**, 2000, *Aspects of rheological behavior of the polymer fibers knitted materials*. Proceedings of EPS 2000, Guimares, Portugal.
10. L. Palaghian, **S. Ciortan**, M. Bucșă, 2001, *Fatigue strength of gear wheels used in machine tools construction*. Proceedings of 3-rd International Conference on Industrial Tools, ICIT Slovenia, pag. 273-275.
11. L. Palaghian, **S. Ciortan**, I. Birsan, 2001, *Aspects of fatigue and wear damage mechanism in corrosive environment and predicting possibilities*. Proceedings of Conference „Situation and perspective of research and development in chemical and mechanical industry”, Krusevac, Serbia.
12. V. Palade, **S. Ciortan**, C. Fălticeanu, 2001, *Comportarea tribologică a polipropilenei utilizate In construcția lagărelor de alunecare*. Conferința științifică internațională TCMR, Chișinău, R.Moldova, pag. 387-391.
13. C. Fălticeanu, **S. Ciortan**, V. Palade, L. Fălticeanu, 2001, *Metode moderne de studiu a etanșărilor mobile de contact cu garnituri moi*. Conferința științifică internațională TCMR, Chișinău, R.Moldova, pag. 323-327.
14. **S. Ciortan**, C. Fălticeanu, V. Palade, L. Fălticeanu, 2001, *Metodologie, bază materială și unele rezultate obținute prin analiza teoretico – experimentală a funcționării etanșărilor cu contact mobil cu garnituri moi*. Conferința științifică internațională TCMR, Chișinău, R.Moldova, pag. 296-299.
15. **S. Ciortan**, L. Fălticeanu, V. Palade, 2001, *A comparative study on classic and modern designing methods of stuffing box packing for shafts*. Proceedings of 7-th Tribology Conference with international participation YUTRIB 2001, Belgrad, Serbia, pag. 4/57- 4/59.
16. C. Fălticeanu, **S. Ciortan**, L. Fălticeanu, 2001, *The influence of rheological behaviour of the seal materials on the design of stuffing box packings*. Proceedings of 7-th Tribology Conference with international participation YUTRIB 2001, Belgrad, Serbia, pag. 4/53- 4/55.
17. V. Palade, M. Hapenciu, **S. Ciortan**, 2001, *The influence of sliding speed on tribological behaviour of some non-metallic materials used for sliding bearings*. Proceedings of 7-th Tribology Conference with international participation YUTRIB 2001, Belgrad, Serbia, pag. 4/68-4/75.
18. L. Palaghian, M. Bucșă, **S. Ciortan**, 2002, *About the gear wheels durability in the mechanics principles frame*. 2-nd Conference RaDMI 2002, Vrnjacka Banja, Yugoslavia, pag 334-342.
19. L. Palaghian, **S. Ciortan**, I. Birsan, 2002, *About wear damage mechanism in corrosive environment and predicting possibilities*. 4-th International Conference on Tribology, Balkantrib, Yugoslavia.
20. L. Tomescu, **S. Ciortan**, M. Rîpă, I. Birsan, N. Diaconu, 2002, *Influence of surface topography on the bonded joints*. AIMETA International Conference, Vetri sul Mare, Salerno, Italia, pag.66-69.
21. **S. Ciortan**, L. Palaghian, I. Birsan, V. Palade, 2002, *The influence of braid design on tribological behaviour of the gaskets*. AIMETA International Conference, Vetri sul Mare, Salerno, Italia, pag.72-76.
22. V. Palade, **S. Ciortan**, L. Tomescu, 2002, *Researches on the influence of some addition element son PTFE behaviour, used as bearing material*. AIMETA International Conference, Vetri sul Mare, Salerno, Italia, pag.78-83.
23. L. Palaghian, **S. Ciortan**, I. Birsan: *About damage and fatigue life of spur gear used in machine tools*. 3-rd International Conference Research and Development in Mechanical Industry RaDMI, Herceg Novi, Montenegro.
24. C. Fălticeanu, M. Manea, L. Fălticeanu, **S. Ciortan**, 2003, *Any theoretical and experimental analysis on tribological research of non-contact seals devices*. Proceedings of Internațional Conference ICIT'03, Belgrad, Yugoslavia.
25. C. Fălticeanu, **S. Ciortan**, L. Fălticeanu, 2003, *Moderne researches regarding the soft material of stuffing box packings tribological behaviour*. Proceedings of Internațional Conference ICIT'03, Belgrad, Yugoslavia.
26. **S. Ciortan**, C. Fălticeanu, 2003, *The stuffing box packing maintenance base don computer aided technic*. Proceedings of

- International Conference ICIT'03, Belgrad, Yugoslavia.
27. C. Fălticeanu, **S. Ciortan**, L. Fălticeanu, 2003, *Researches regarding the lubrication of the stuffing box packings*. Conferința științifică internațională TCMR, Chișinău, R.Moldova, vol. II.
 28. C. Fălticeanu, **S. Ciortan**, O. Bologa, 2003, *Advanced methods of research the contact free moving sealing*. Conferința științifică internațională TCMR, Chișinău, R.Moldova, vol. II.
 29. **S. Ciortan**, O. Bologa, 2003, *Theoretical and experimental analogies on the efficiency and tribology of the stuffing box packings for shafts*. Conferința științifică internațională TCMR, Chișinău, R.Moldova, vol. II.
 30. L. Palaghian, S. Măcuță, **S. Ciortan**, 2003, *Fatigue behaviour of steel manufactured by rolling and casting method*. International Conference EUROMAT, Laussane, Elveția.
 31. L. Palaghian, **S. Ciortan**, M. Bucșă, 2004, *Fatigue damage analysis of gear box using artificial neural networks – a preliminary study*. International Conference UNITECH'04, Gabrovo, Bulgaria.
 32. L. Palaghian, **S. Ciortan**, 2004, *The fatigue behaviour of certain structural steels*. International Conference RaDMI, Zlatibor, Serbia and Montenegro.
 33. L. Fălticeanu, I.T. Chang, C. Fălticeanu, **S. Ciortan**, 2005, *New methods for assessing the frictional properties in a mass of consolidated powders*. International Conference BALKANTRIB'05, Kragujevat, Yugoslavia.
 34. C. Fălticeanu, M. Manea, **S. Ciortan**, L. Fălticeanu, 2005, *Any consideration upon tribology of contact-free moving seals for liquids*. International Conference BALKANTRIB'05, Kragujevat, Yugoslavia.
 35. L. Palaghian, **S. Ciortan**, 2005, *About the influence of notch stresses type weld deposit on the fatigue strength*. International Conference RaDMI, Vrnjacka Banja, Serbia and Montenegro.
 36. L. Palaghian, **S. Ciortan**, 2006, *About using neural networks for establishing the fatigue characteristics of steels*. International Conference RaDMI'06, Budva, Serbia and Montenegro.
 37. A.Senatore, **S. Ciortan**, 2007, *An application of artificial neural networks to piston ring friction losses prediction*. International Conference RaDMI'07, Belgrade, Serbia.
 38. L. Palaghian, S. Băicean, **S. Ciortan**, 2008, *Experimental analyze regarding fatigue corrosion change* International Conference RaDMI'08, Uzice, Serbia and Montenegro.
 39. C.L. Fălticeanu, G.M.Pațilea, **S. Ciortan**, 2008, *Some considerations upon the efficiency and tribology of the lip-ring gasket for rotary rods*. 3th International Conference on Manufacturing Engineering, ICMEN 2008, Kassandra, Chalkidiki, Greece.
 40. C.L.Fălticeanu, C.T. Fălticeanu, L.Maței, **S. Ciortan**, 2008, *Some experimental results regarding the influence of flow-conditioners and packing of aluminium powders*. 3th International Conference on Manufacturing Engineering, ICMEN 2008, Kassandra, Chalkidiki, Greece.
 41. M.Râpă, C. Spănu, **S. Ciortan**, 2008, *Shear Stability and four ball tests results correlation for some industrial oils*. 6th International Conference on Tribology, BALKANTRIB 2008, Sofia, Bulgaria.
 42. **S. Ciortan**, G. Podaru, I. Bîrsan, 2009, *Stuffing box analysis based on system dynamics approach*. 9th International Conference RaDMI'09, Vrnjacka Banja, Serbia
 43. L. Deleanu, **S. Ciortan**, G. Andrei, L. Maței, 2009, *Study on the profilometry of composites with PA matrix and micro glass spheres after dry sliding*. 11th International Conference on Tribology SERBIATRIB'09, Belgrade, Serbia
 44. C. Spănu, I. Bârsan, **S. Ciortan**, 2009, *Plastic deformation initiation in sliding indentation case*. 11th International Conference on Tribology SERBIATRIB'09, Belgrade, Serbia
 45. **S. Ciortan**, G. Podaru, I. Bîrsan, C. Spanu, 2010, *Artificial neural networks based wear prediction for pneumatic drives seals*. 10th Biennial Conference on Engineering Systems Design and Analysis, Istanbul, Turcia
 46. G. Podaru, **S. Ciortan**, I. Bîrsan, L. Deleanu, 2010, *Pneumatic drives' seals efficiency monitoring by hermography based methods*. 10th Biennial Conference on Engineering Systems Design and Analysis, Istanbul, Turcia
 47. L. Deleanu, **S. Ciortan**, 2010, *On flammability of industrial fluids on hot surfaces*. 17th International Colquium Tribology, Tribology – Solving Friction and Wea Problems, Esslinge, Germany
 48. G. Podaru, **S. Ciortan**, I. Bîrsan, 2010, *Thermal aspects of rubber lip seal – polymer rod couple in dry sliding conditions*. 10th International Conference RaDMI 2010, Donji Milanovac, Serbia
 49. S. Chiculita, C. Spanu, **S. Ciortan**, 2010, *Surface quality modifications under sliding indentation test*. 10th International Conference RaDMI 2010, Donji Milanovac, Serbia
 50. C. Spanu, **S. Ciortan**, I. Bîrsan, V. Mereuta, 2010, *Method for optimizing machine part design based on artificial neural network*. 10th International Conference RaDMI 2010, Donji Milanovac, Serbia
 51. L. Deleanu, A. Cantaragiu, **S. Ciortan**, 2010, *Surface quality evaluated by 3D functional parameters*. 10th International Conference RaDMI 2010, Donji Milanovac, Serbia
 52. G.Podaru, I.G.Bîrsan, **S.Ciortan**, L.Deleanu, 2011, *Friction generated heat and its effects in lubricantless pneumatic seals*, 7th International Conference IRMES, 2011, Zlatibor, Serbia.
 53. G.Podaru, **S.Ciortan**, C.Spanu, 2011, *Optical 3D reconstruction as investigation method of wear in plastomer-elastomer couples*, 11th International Conference RADMI 2011, Sokobanja, Serbia.
 54. **S.Ciortan**, G.Podaru, I.G.Bîrsan, 2011, *Neural network based analysis of friction coefficient evolution in stuffing box seals*, 11th International Conference RADMI 2011, Sokobanja, Serbia.
 55. L.Deleanu, **S.Ciortan**, 2011, *Flammability test on hot surface for several hydraulic fluids*, 12th International Conference SERBIATRIB'11, Kragujevac, Serbia.
 56. G.Podaru, **S.Ciortan**, I.G.Bîrsan 2011, *Transferred material influence on elastomer-plastomer couple behavior in dry sliding*, 12th International conference SERBIATRIB'11, Kragujevac, Serbia.
 57. C.Spanu, **S.Ciortan**, V.Bria, I.Roman 2011, *The behaviour of some additivated composite materials at sliding indentation test*, 12th International conference SERBIATRIB'11, Kragujevac, Serbia.

58. **S.Ciortan**, L.Deleanu, G.Podaru, 2011, *Using neural networks in wear prediction for a class of polymeric composite*, 3rd European Conference on Tribology, Vienna, Austria.
59. **S.Ciortan**, G.Podaru, I.G.Birsan, 2012, *Wear evolution of elastomer-plastomer couple in dry sealing*, The 7th International Symposium KOD 2012, Balatonfured, Ungaria
60. G.Podaru, **S.Ciortan**, I.G.Birsan, 2012, *Efficiency analysis of pneumatic dry sealing with polymeric rods*, The 7th International Symposium KOD 2012, Balatonfured, Ungaria.
61. **S.Ciortan**, P.Dasic, G.Podaru, I.G.Birsan, 2012, *Polymeric packing bulk modulus variation analysis with neural networks models*, 12th International Conference RADMI 2012, Vrnjacka Banja, Serbia.
62. G.Podaru, P.Dasic, **S.Ciortan**, I.G.Birsan, 2012, *Neural network based optimization for pneumatic dry sliding sealing*, 12th International Conference RADMI 2012, Vrnjacka Banja, Serbia.
63. G.Podaru, **S.Ciortan**, I.G.Birsan, 2013, *Tribological behavior of some polymeric materials in water lubricated sliding*, 13th International Conference RADMI 2013, Kopaonik, Serbia.
64. I.G.Birsan, I.Roman, **S.Ciortan**, 2015, *Tribological behaviour prediction for an epoxy aramid system based on mechanical and thermal properties analyses*. International Conference BALTRIB'2015, Kaunas, Lituania
65. I.Roman, **S.Ciortan**, I.G.Birsan, 2015, *Neural network based analysis of tribological behaviour for an epoxy-aramid system*, 12th International Conference SERBIATRIB'15, Belgrade, Serbia.
66. **S.Ciortan**, E.Rusu, 2018, *Prediction of the wave power in the Black Sea based on wind speed using artificial neural networks*, 3rd International Conference ICACER 2018, Barcelona, Spain
67. G.Stavarache, **S.Ciortan**, E.Rusu, 2019, *Analysis of the environment characteristics influence on wind power with artificial neural networks*, 19th International Multidisciplinary Scientific GeoConference SGEM 2019, Albena, Bulgaria.
68. **S.Ciortan**, E.Rusu, 2018, *Prediction of the wave power in the Black Sea based on wind speed using artificial neural networks*, 3rd International Conference ICACER 2018, Barcelona, Spain
69. **S.Ciortan**, E.Rusu, 2019, *Analysis of wave energy conversion with dynamic systems theory*, 4rd International Conference ICACER 2019, Coimbra, Portugalia.
70. Gh.Stăvărache, **S.Ciortan**, E.Rusu, 2020, *Optimization of Artificial Neural Networks Based Models for Wave Height Prediction* ICACER 2020, Barcelona, Spain

4. National Scientific Conferences

1. I. Ștefănescu, **S. Ciortan**, V. Câmpean, F. Grigorescu, C. Klein, S. Strat, 1996, *Some experimental results concerning the ceramics elements durability in case of rolling contact*. Proceedings of the VII-th International Tribology Conference ROTRIB'96, Bucharest, România, September pp.152-157.
2. L. Palaghian, **S. Ciortan**, 1999, *Possibility of evaluation and prediction the damages of superficial layer into sliding contact and fatigue environment*. Proceedings of 3-rd International Conference of Tribology BALKANTRIB'99, Sinaia, România, pp.128-130, ISSN 1221-9371
3. I. Ștefănescu, **S. Ciortan**, 1999, *Evaluating alumina's capacity for using in hertzian rolling contacts*. Proceedings of 3-rd International Conference of Tribology BALKANTRIB'99, Sinaia, România, pp.87-93, ISSN 1221-9371.
4. **S. Ciortan**, A. Ruggiero, A. Senatore, V. Palade, 2007, *A study on the prediction of stability behavior for flexible rotor in journal bearings*. 1st International Conference DIPRE'09, Galați, Romania.
5. A. Senatore, A. Ruggiero, V. Palade, **S. Ciortan**, 2007, *Neural networks based study of friction coefficient variation in sliding bearings*. 1st International Conference DIPRE'09, Galați, Romania.
6. V. D'Agostino, A. Senatore, **S. Ciortan**, 2009, *Neural networks based behaviour prediction for dry clutch materials*. 2th International Conference DIPRE'09, Galați, Romania.
7. G. Podaru, **S. Ciortan**, I. Bârsan, L. Deleanu, 2009, *Particularities of rubber lip seals used for pneumatic linear drives*. 2th International Conference DIPRE'09, Galați, Romania.
8. L.Deleanu, **S. Ciortan**, L.Șolea, 2009, *Rapeseed oil flammability on hot surface*. 2th International Conference DIPRE'09, Galați, Romania.
9. G. Podaru, **S. Ciortan**, L.Deleanu, 2009, *Heat distribution in a polymeric rod under dry friction in reciprocating seals*. 2th International Conference DIPRE'09, Galați, Romania.
10. G. Podaru, **S. Ciortan**, 2010, *Optical methods based wear investigation of polymeric rods working in dry sliding*. 11th International Conference on Tribology, Rotrib'10, Iasi, Romania
11. E.A. Oniciuc, L. Gitin, **S. Ciortan**, N. Maftai, A. Nicolau, 2010, *Intense light pulses effect on fungal of mustard and black pepper*. 4th International Conference Biotechnologies, Present and Perspectives, Suceava, Romania
12. L. Deleanu, **S. Ciortan**, 2010, *Evaluating tribological damages by 3D profilometry*. International Conference VAREHD 15, Suceava, Romania

5. National Symposiums

1. D. Solea, D. Dragomir, L. Marton, **S. Ciortan**, 1990, *Locul programelor de procesare grafică In proiectarea tehnologiilor de formare-turnare*. Al IV-lea Simpozion Național "PRASIC'90", Universitatea din Brașov, România, pp.176-182.
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