

Europass Curriculum Vitae



Personal information

First name(s) / Surname(s) **Liliana Celia Rusu**

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E-mail(s) lrusu@ugal.ro ; lrusu@mar.ist.utl.pt

Nationality Romanian

Date of birth 11/01/1962

Gender Female

Work experience

Dates	24/02/2004 →
Occupation or position held	Assistant Professor, Department of Applied Mechanics http://www.mrm.ugal.ro/CadreDidactice.htm
Main activities and responsibilities	Teaching, research, supervising Master students
Name and address of employer	Dunarea de Jos Galati University, http://www.ugal.ro/ 111, Domneasca St., 80008 Galati, Romania
Type of business or sector	Public University
Dates	01/06/2004 →
Occupation or position held	Researcher, http://www.mar.ist.utl.pt/en/centec/personnel.aspx?id=1
Main activities and responsibilities	Scientific research focused mainly on: wave modelling, implementation and developing of an operational wave prediction system for the Portuguese Coastal area, analysis of the environmental data.
Name and address of employer	Centre for Marine Technology and Engineering - CENTEC, Technical University of Lisbon 1, Rovisco Pais Street, 1049-001 Lisbon, Portugal
Type of business or sector	Public University – Research Centre
Dates	01/12/2001 - 24/02/2004
Occupation or position held	Researcher
Main activities and responsibilities	Processing and analysis of the data registered by the wave-buoy network maintained by IH. Statistical analysis of environmental parameters. Extreme event analysis.
Name and address of employer	Instituto Hidrográfico (Hydrographical Institute of the Portuguese Navy), 49, Rua das Trinas Street, 1249-093 Lisbon (Portugal)
Type of business or sector	MILITARY AND RESEARCH
Dates	01/08/1985 - 30/06/2001
Occupation or position held	Engineer
Main activities and responsibilities	ship reparations

Name and address of employer DAMEN Shipyard (member of the Dutch Damen Group)
132, Moruzzi Street, 800 223 Galati (Romania)

Type of business or sector Industrial (ship building)

Education and training

Dates 01/02/2010 →

Title of qualification awarded Post doctoral specialization

Principal subjects / occupational skills covered Development of a joint model system for wave predictions and assessing seakeeping performances

Name and type of organisation providing education and training Centre for Marine Technology and Engineering - CENTEC, Technical University of Lisbon
1, Rovisco Pais Street, 1049-001 Lisbon, Portugal

Dates 01/06/2004 - 30/11/2009

Title of qualification awarded PhD in Naval Architecture and Marine Engineering, Technical University of Lisbon, Portugal

Principal subjects / occupational skills covered Studies concerning wave modelling in coastal areas and effects of currents on waves, ship dynamic responses.
Thesis title: *Wave modelling and ship response in coastal waters with currents*

Name and type of organisation providing education and training Technical University of Lisbon
1, Av. Rovisco Pais Street, 1049-001 Lisbon, Portugal

Dates 01/10/2002 - 23/04/2006

Title of qualification awarded PhD in Mechanical Engineering, University *Dunarea de Jos* of Galati, Romania

Principal subjects / occupational skills covered Modelling of the free-surface hydrodynamics
Thesis title: *Researches and contributions to the spectral and Hamiltonian models applied to study wave dynamics*

Name and type of organisation providing education and training University *Dunarea de Jos* of Galati
47 Domneasca Street, 800008 Galati, Romania

Dates 01/10/1980 - 30/06/1985

Title of qualification awarded Diploma of Mechanical Engineering

Principal subjects / occupational skills covered Mechanical Engineering

Name and type of organisation providing education and training University *Dunarea de Jos* of Galati, University
47, Domneasca Street, 800 008 Galati, Romania

Personal skills and competences

Mother tongue(s) **Romanian**

Other language(s)

Self-assessment
European level ()*

Portuguese

English

Spanish

Italian

Franch

Understanding				Speaking				Writing	
Listening		Reading		Spoken interaction		Spoken production			
C2	Proficient user	C2	Proficient user	C2	Proficient user	C2	Proficient user	C2	Proficient user
B2	Independent user	B2	Independent user	B1	Independent user	B2	Independent user	B2	Independent user
B1	Independent user	B1	Independent user	A2	Basic User	A2	Basic User	A2	Basic User
B1	Independent user	B1	Independent user	A2	Basic User	A2	Basic User	A2	Basic User
B1	Independent user	B1	Independent user	A2	Basic User	A2	Basic User	A2	Basic User

Social skills and competences

Team work: I have worked in various research teams and most of my major publications were resulted from working in a team.
Good ability to adapt to multicultural environments, gained though my work experience abroad.

	Good communication skills: I have to deal with a lot of students, so human communication is in some sense my job. I have also a large experience in participating to international meetings where I presented communications.
Organisational skills and competences	I am currently supervising Master students in both Romania and Portugal.
Technical skills and competences	I have accumulated during the time considerable competencies and skills in various technical areas related to my main fields of expertise: Marine and Mechanical Engineering. Due to my current scientific work I have special competences as regards environmental data.
Computer skills and competences	very good command of Matlab - data processing and visualisation using MATLAB environment good command of Microsoft Office tools (Word, Excel and PowerPoint); good command of graphic design applications (Paint Shop Pro, Photo Shop, etc)
Other skills and competences	I have a great capacity of concentration on my work and focus on the most essential issues.
Driving licence(s)	Category B
Additional information	Membership OCEANEXPERT http://oceanexpert.org/viewMemberRecord.php?&memberID=14478 IMAM – International Maritime Association of the Mediterranean Researcher ID: http://www.researcherid.com/rid/B-6823-2011
Annexes	List of Relevant Publications and Participation to Research Projects

ANNEX

LIST OF RELEVANT PUBLICATIONS AND PARTICIPATION TO RESEARCH PROJECTS

Publications in international journals with ISI quotations

1. Rusu, L., Bernardino, M., Guedes Soares, C., 2011. Modelling the influence of currents on wave propagation at the entrance of the Tagus estuary. *Ocean Engineering* 38 (10), 1174-1183. <http://dx.doi.org/10.1016/j.oceaneng.2011.05.016>
2. Rusu, L., Guedes Soares, C., 2011. Modelling the wave-current interactions in an offshore basin using the SWAN model. *Ocean Engineering* 33(1), 63-76. <http://dx.doi.org/10.1016/j.oceaneng.2010.09.012>
3. Guedes Soares, C., Rusu, L., Bernardino, M., Pilar, P., 2011. An operational wave forecasting system for the Portuguese continental coastal area. *Journal of Operational Oceanography* 4 (2), 16-26. <http://www.ingentaconnect.com/content/imarest/joo/2011/00000004/00000002/art00002>
4. Rusu, L., 2010. Application of numerical models to evaluate oil spills propagation in the coastal environment of the Black Sea. *Journal of Environmental Engineering and Landscape Management* 18 (4), 288-295. <http://www.tandfonline.com/doi/abs/10.3846/jeelm.2010.33>
5. Rusu, L., Ivan, A., 2010. Modelling Wind Waves in the Romanian Coastal Environment. *Environmental Engineering and Management Journal* 9(4), 547-552. http://omicron.ch.tuiasi.ro/EEMJ/pdfs/vol9/no4/18_2_Rusu_10.pdf
6. Rusu, L., Bernardino, M., Guedes Soares, C., 2009. Influence of Wind Resolution on the Prediction of Waves Generated in an Estuary. *Journal of Coastal Research* SI 56, 1419- 1423. http://e-geo.fcsh.unl.pt/ICS2009/docs/ICS2009_Volume_II/1419.1423_L.Rusu_ICS2009.pdf
7. Rusu, L., Pilar, P., Guedes Soares, C., 2008. Hindcast of the wave conditions along the west Iberian coast. *Coastal Engineering* 55(11), 906-919. <http://dx.doi.org/10.1016/j.coastaleng.2008.02.029>
8. Rusu, E., Silva, R., Soares, C.V., Rusu, L., 2003. Wave Forecast in the Coastal Environment Affected by M/V Prestige Breakdown, paper presented at the 4th Symposium on the Atlantic Iberian Continental Margin, Vigo, Spain, 7-10 July, published in *Thalassas – An International Journal of Marine Science*, 161-162. http://webs.uvigo.es/thalassas/thalassas_marco%20principal.htm

Books

1. Rusu, L., Ivan, A., 2011. Modelling of the hydrodynamic processes in delta and estuary areas. Publishing House of the Romanian Technical Academy and General Association of the Romanian Engineering - AGIR Ed., Research and Studies Series, Bucharest, ISBN 978-973-720-365-6, 184 p (in Romanian). http://www.edituraagir.ro/catalogul_editurii.php
2. Matulea, I., Slamnoiu, G., Popa, V., Rusu, L., Nastase, I., Oancea, G., 2007. Spectral and Probabilistic Models in Marine Technology, Publishing House of University "Dunărea de Jos" of Galati, ISBN978-973-627-366-7, 248p, (in Romanian).

Book chapters

1. Guedes Soares, C., Bernardino, M., Rusu, L., Pilar, P., 2008. Implementação de um Sistema de Previsão da Agitação Marítima para os Portos de Leixões e Sines, O Sector Marítimo Português, C. Guedes Soares e C. Costa Monteiro (Eds.), Salamandra, Lisbon, Portugal, 397-411 (in Portuguese).
2. Pereira, A.I.S., Rusu, L., Pilar, P., Guedes Soares, C., 2008. Distribuição Espacial da Energia das Ondas na Região de Peniche, O Sector Marítimo Português, C. Guedes Soares e C. Costa Monteiro (Eds.), Salamandra, Lisbon, Portugal, 441-458 (in Portuguese).
3. Rusu, L., Guedes Soares, C., 2008. Modelling of the wave-current interactions in the Tagus Estuary. Maritime Industry, Ocean Engineering and Coastal Resources, Editors Taylor & Francis, London, Vol. II, 801-810.
4. Rusu, L., Guedes Soares, C., 2006. High resolution SWAN simulations in the Tagus Estuary. Inovação e Desenvolvimento nas Actividades Marítimas, Salamandra Ed., Lisbon, Portugal, 503-519, (in Portuguese).
5. Rusu, L., Pilar, P., Guedes Soares, C., 2005. Reanalysis of the Wave Conditions in the Approaches to the Portuguese Port of Sines. Maritime Transportation and Exploitation of Ocean and Coastal Resources, Editors Taylor & Francis, London, Vol II, 1137-1142.
6. Rusu, E., Soares, C. V., Rusu, L., 2005. Computational Strategies and Visualization Techniques for the Waves Modeling in the Portuguese Nearshore, Maritime Transportation and Exploitation of Ocean and Coastal Resources, Editors Taylor & Francis, London, Vol II, 1129-1136.
7. Guedes Soares, C., Rusu, L., Pilar, P., 2004. Wave hindcast in the coastal environment of Portugal. As Actividades Marítimas e a Engenharia, Salamandra Ed., Lisbon, Portugal, 73-82, (in Portuguese)

Publications in the proceedings of international conferences

1. Rusu, L., Pilar, P., Guedes Soares, C., 2011. Modelling the Wave Condition in the Arquipelago of Azores. 1st International Conference on Maritime Technology and Engineering - MARTECH2011, 10-12 May, Lisbon. <http://www.mar.ist.utl.pt/martech2011/structure.aspx>
2. Bernardino, M., Salvação, N., Rusu, L., 2011. Evaluation of the Wind and Wave Simulations in the Black Sea Using Satellite Altimeter Data. 1st International Conference on Maritime Technology and Engineering - MARTECH2011, 10-12 May, Lisbon.

3. Rusu, L., Guedes Soares, C., 2011. Evaluation of the operational forecast system implemented for the Leixões port. *7^{as} Jornadas Portuguesas de Engenharia Costeira e Portuária*, Porto, Portugal, 6-7 October, Ed. CD, 11p (in Portuguese).
4. Butunoiu, D., Rusu, L., 2011. Influence of the wind resolution in modeling the extreme wave conditions in the Black Sea. *International Environmental Conference - Sustainable Development in Coastal Areas*, 29 June – 1 July, Ioannina, Greece. <http://www.benaweb.gr/index-2.html>
5. Rusu, L., Bernardino, M., Guedes Soares, C., 2010. Wave forecast at the entrance of the Tagus estuary. *Third International Conference on the Application of Physical Modelling to Port and Coastal Protection (CoastLab2010)*, 28-30 September & October 1, Barcelona, Spain, Ed. CD, 7p.
6. Rusu, L., 2010. Wave modelling in the Black Sea, *Tenth International Conference on Marine Sciences and Technologies - BLACKSEA2010*, 7-9 October, Varna, Bulgaria, 367-372.
7. Rusu, L., Bernardino, M., Pilar, P., Guedes Soares, C., 2010. Extreme wave predictions at the entrance of the Tagus estuary. In: *Actas das 1^{as} Jornadas de Engenharia Hidrográfica*, Lisbon, 21-22 June, 25-28, (in Portuguese).
<http://www.marinha.pt/PT/noticiaseagenda/noticias/Documents/BoletimlasJornadasEngenharia.pdf>
8. Bento, R., Silva, D., Rusu, L., Guedes Soares, C., 2010. Evaluation of the wave conditions off-shore of the Faro and Setúbal ports. In: *Actas das 1^{as} Jornadas de Engenharia Hidrográfica*, Lisbon, 21-22 June, 265-268, (in Portuguese).
<http://www.marinha.pt/PT/noticiaseagenda/noticias/Documents/BoletimlasJornadasEngenharia.pdf>
9. Gasparotti, C., Rusu, L., 2010. Risk assessment of oil spills from Black Sea basin, *Tenth International Conference on Marine Sciences and Technologies - BLACKSEA2010*, 7-9 October, Varna, Bulgaria, 403-408.
10. Gasparotti, C., Rusu, L., 2010. Seakeeping studies for containerships operating in the Black Sea, *Tenth International Conference on Marine Sciences and Technologies - BLACKSEA2010*, 7-9 October, Varna, Bulgaria, 160-165.
11. Măcuța, S., Rusu, L., 2009. Modelling by finite element method of stress state establishing and experimental research regarding the elasto-plastic deformations of some steels alloys, *Proceedings of the 12th International Congress of the International Maritime Association of the Mediterranean - IMAM2009 – Towards Sustainable Marine Technology and Transport*, Istanbul, Turkey, 12-15 October, 870-896.
12. Bernardino, M., Rusu, L., Silva, D., Bento, R., Pilar, P., Guedes Soares, C., 2009. Performance evaluation of the wave prediction system implemented for the Portuguese ports. *6^{as} Jornadas Portuguesas de Engenharia Costeira e Portuária*, Funchal-Madeira, Portugal, 8-9 October, Ed. CD, 19p (in Portuguese).
13. Rusu, L., Bernardino, M., Guedes Soares, C., 2008. Influence of the wind fields on the accuracy of numerical wave modelling in offshore locations, *Proceedings of the 27th International Conference on Offshore Mechanics and Arctic Engineering - OMAE2008*, ASME, Paper OMAE2008-57861, AMER Soc MECHANICAL ENG., New York, Vol. 4, 637-644.
14. Bernardino, M., Rusu, L., Guedes Soares, C., 2008. Validation of a wave forecast system for the Portuguese ports. *Proc. of the 5th European Global Ocean Observing System Conference - Coastal to Global Operational Oceanography: Achievements and Challenges (EuroGOOS2008)*, Exeter, UK, 20-22 May, Ed. CD, 8p.
15. Rusu, L., Bernardino, M., Guedes Soares, C., 2007. Wave modelling in Tagus estuary. *5^{as} Jornadas Portuguesas de Engenharia Costeira e Portuária*, Lisbon, Ed. CD, 14p (in Portuguese).
16. Rusu, E., Rusu, L., Guedes Soares, C., 2006. Assessing of Extreme Wave Conditions in the Black Sea with Numerical Models, *Proc. of the 9th International Workshop on Wave Hindcasting and Forecasting*, Victoria, Canada, 24 - 29 September, 11p.
<http://www.waveworkshop.org/9thWaves/>
17. Rusu, L., Guedes Soares, C., 2006. Wave Modelling in the Black Sea Western Nearshore, *Proc. of the Eighth International Conference on Marine Science and Technology "Black Sea 2006"*, Varna, Bulgaria, 25 - 27 September, 182-187.
18. Rusu, L., Pilar, P., Guedes Soares, C., 2005. Hindcasts of the Wave Conditions in Approaches to Ports of the North of Portugal, *Proc. of the Fifth International Symposium on Ocean Wave Measurement and Analysis - WAVES 2005*, 3-7 July, Madrid, Spain, Paper number 145, CD edition, 9p. <http://www.cedex.es/waves2005/>
19. Rusu, L., Măcuța, S., Rusu, E., 2005. A Mathematical Hamiltonian Model for the Wave Propagation, *Proc. of the Annual Symposium of the Institute of Solid Mechanics (SISOM 2005)*, Romanian Academy, Department of Technical Sciences, Bucharest, Romania, 19-20 May, 40-47.
http://217.73.165.147/SISOM_Papers_2005/7_D.pdf
20. Rusu, E., Măcuța, S., Rusu, L., 2005. New Hamiltonian Techniques in Marine Engineering, paper presented at the *Annual Symposium of the Institute of Solid Mechanics (SISOM 2005)*, Romanian Academy, Department of Technical Sciences, Bucharest, Romania, 19-20 May, 164-171.
http://217.73.165.147/SISOM_Papers_2005/29_D.pdf
21. Rusu, L., Pilar, P., Guedes Soares, C., 2005. Wave hindcast in the southern part of the Portuguese continental nearshore, paper presented at *4^{as} Jornadas de Engenharia Costeira e Portuária*, Azores Archipelago, Angra do Heroísmo, Portugal, 20-21 October, CD edition, 10p, (in Portuguese).
22. Rusu, E., Matulea, I., Rusu, L., 2004. Linear and Non Linear Models to Assess the Wave Induced Currents in the Nearshore, paper presented at the *Seventh International Conference on Marine Science and Technology - BlackSea2004*, 7-9 October, Varna, Bulgaria, 150-157.

23. Rusu, E., Rusu, L., Matulea, I., 2004. Prediction of the Nearshore Wave Propagation with Spectral Models, paper presented at the *Seventh International Conference on Marine Science and Technology - BlackSea2004*, 7-9 October, Varna, Bulgaria, 142-149.
24. Costa, M., Rusu, L., 2004. An extreme event analysis in the Portuguese nearshore, poster presentation, Section Operational Oceanography, *1st EGU General Assembly*, Nice, France, 25-30 April. <http://www.cosis.net/abstracts/EGU04/03382/EGU04-J-03382.pdf>
25. Rusu, E., Soares, C.V., Pinto, J.P., Rusu, L., 2003. LUSOWAVES - Implementação de um Sistema Operacional de Previsão da Agitação Marítima Junto a Costa Portuguesa, *3^{as} Jornadas Portuguesas de Engenharia Costeira e Portuária*, Aveiro 13-14 November, 15p, CD edition.
26. Costa, M., Baptista, B., Rusu, L., 2003. Vinte Anos de Dados de Agitação Marítima na Costa Portuguesa, *3^{as} Jornadas Portuguesas de Engenharia Costeira e Portuária*, Aveiro, Portugal, 13-14 November, 12p, CD edition.
27. Rusu, E., Silva, R., Pinto, J.P., Rusu, L., Soares, C.V., Vitorino, J., 2003. Assessment and Prediction of the Nearshore Wave Propagation in the Case of M/V Prestige Accident, Section Operational Oceanography, *The Joint Assembly EGS-AGU-EUG*, Nice, France, 7-11 April. <http://cosis.net/abstracts/EAE03/07016/EAE03-J-07016.pdf>

Publications in Romanian Journals

1. Rusu, L., Gasparotti, C., 2010. A Hamiltonian representation of surface waves. *The Annals of the Dunarea de Jos University of Galati*, Fascicle II, Mathematics, Physics, Theoretical Mechanics, No.2, 227-241. http://www.phys.ugal.ro/Annals_Fascicle_2/Year2010/index2.htm
2. Toderascu, R., Rusu, L., Lucas, C., 2010. A Lagrangian Approach for the Wave Body Interactions Problem. *The Annals of "Dunarea de Jos" University of Galati*, Fascicle X, Applied Mechanics, No. 1. <http://www.mrm.ugal.ro/AnnalsAbstracts/2010/A-2.pdf>
3. Toderascu, R., Rusu, L., 2010. Some features of the MOHID Water Modelling System and on the reliability of such model for the Black Sea basin. *The Annals of "Dunarea de Jos" University of Galati*, Fascicle X, Applied Mechanics, No. 2. <http://www.mrm.ugal.ro/AnnalsAbstracts/2010I2/1%20RToderascu%20LRusu.pdf>
4. Rusu, L., Bernardino, M., 2009. Estimation of the operability index of a containership operating in Black Sea. *The Annals of "Dunarea de Jos" University of Galati*, Fascicle VIII, Tribology, No. 2. <http://www.om.ugal.ro/AnnalsFasc8Tribology/index.htm>
5. Tudorascu, R., Rusu, L., Lucas, C., 2009: Wave Propagation in the Black Sea Marine Environment. *The Annals of Dunarea de Jos University of Galati*, Fascicle X, Applied Mechanics, 97-106. <http://www.mrm.ugal.ro/AnnalsAbstracts/2009/LL-5.pdf>
6. Rusu, L., 2008. New Validations for the Wave Prediction System Implemented in the Black Sea Basin, *12th International Symposium of Experimental Stress Analysis and Testing of Materials (ARTENS2008)*, published in *The Annals of Dunarea de Jos Galati University*, Fascicle XIV, Mechanical Engineering, 85-90. <http://md1.csa.com>
7. Rusu, L., 2008. Application of the Canonical Perturbation Theory to Model the Free Surface Hydrodynamics, *12th International Symposium of Experimental Stress Analysis and Testing of Materials (ARTENS2008)*, published in *The Annals of Dunarea de Jos Galati University*, Fascicle XIV, Mechanical Engineering,, 91-94. <http://md1.csa.com>
8. Rusu, L., 2008. Analysis of the Wave-Current Interactions in an Offshore Basin. *The Annals of Dunarea de Jos Galati University*, Fascicle X, Applied Mechanics, 101-106. http://www.mrm.ugal.ro/AnnalsAbstracts/2008/17_LRusu_anale2008.pdf
9. Rusu, L., Ponce, S., 2007. On the Performances of the Third Generation Spectral Wave Models in the Black Sea. *The Annals of Dunarea de Jos University of Galati*, Fascicle X Applied Mechanics, 23-32. http://www.mrm.ugal.ro/AnnalsAbstracts/2007/4-LRusu_anale2007.pdf
10. Muşat, S., Rusu, L., 2007. Study of Torsion in the Systems with Ramifications for Transmitting the Rotation Motion. *The Annals of Dunarea de Jos University of Galati*, Fascicle X Applied Mechanics, 17-22. http://www.mrm.ugal.ro/AnnalsAbstracts/2007/2-Musat_anale2007.pdf
11. Muşat, S., Rusu, L., 2007. Lagrange Equations with Multipliers for the Rigid Body. *The Annals of Dunarea de Jos University of Galati*, Fascicle X Applied Mechanics, 11-17. http://www.mrm.ugal.ro/AnnalsAbstracts/2007/2-Musat_anale2007.pdf
12. Rusu, L., 2006. Numerical Simulations to Estimate the Propagation of an Accidental Oil Spillage in the Black Sea Nearshore. *The Annals of Dunarea de Jos University of Galati*, Fascicle X Applied Mechanics, 43-48.
13. Rusu, E., Rusu, L., 2006. Development of an Operational Wave Prediction System to Assess the Wave Propagation in the Black Sea. *The Annals of Dunarea de Jos University of Galati*, Fascicle X Applied Mechanics, 33-42.
14. Rusu, L., 2005. Hamilton's Dissipative Equations of Water-Waves. *The Annals of Dunarea de Jos University of Galati*, Fascicle II Mathematics, Physics, Theoretical Mechanics, 5-12.
15. Rusu, L., Matulea, I., 2005. Generalized Canonical Equations of Water Waves. *The Annals of Dunarea de Jos University of Galati*, Fascicle X Applied Mechanics, 15-20.
16. Muşat, S., Rusu, L., 2005. Actualisation of Positions and Orientation of the Rigid Body in the Incremental Analysis of the Displacements. *The Annals of Dunarea de Jos University of Galati*, Fascicle X Applied Mechanics, 17-20.

17. Rusu, L., 2004. A High-Resolution Wave Model Derived With the Hamiltonian Approach. *The Annals of Dunarea de Jos University of Galati*, Fascicle II Mathematics, Physics, Theoretical Mechanics, 29-40. <http://md1.csa.com>
18. Rusu, L., 2004. Numerical Methods for Solving the Kinematical Subproblem of Water-Waves. *The Annals of Dunarea de Jos University of Galati*, Fascicle II Mathematics, Physics, Theoretical Mechanics, 41-50. <http://md1.csa.com>
19. Muşat, S., Rusu, L., 2004. Aspects Concerning the Vibrations of Linear Gyroscopic Systems. *The Annals of Dunarea de Jos University of Galati*, Fascicle X Applied Mechanics, 21-24.
20. Muşat, S., Rusu, L., 2004. Numerical Approach in the Mechanics of Non Linear Vibrations. *The Annals of Dunarea de Jos University of Galati*, Fascicle X Applied Mechanics, 15-20.
21. Rusu, L., Matulea, I., 2003. A Method to Estimate the Surf Conditions. *The Annals of Dunarea de Jos University of Galati*, Fascicle X Applied Mechanics, 23-28.

PARTICIPATION TO RELEVANT RESEARCH PROJECTS

- | | |
|--------------|---|
| Since 2010: | Wave Prediction System for Coastal Maritime Traffic and Port Approaches, individual grant (SFRH/BPD/65553/2009), at CENTEC - Center for Marine Technology and Engineering, Technical University of Lisbon, Portugal. |
| 2008 – 2011: | NEARPORT – Development of a real-time nearshore wave prediction system for the Portuguese ports, at CENTEC - Center for Marine Technology and Engineering, Technical University of Lisbon, Portugal. |
| 2007 – 2008: | MARPORT – Wave Modelling Forecast System in the Portuguese Ports, at CENTEC - Center for Marine Technology and Engineering, Technical University of Lisbon, Portugal. |
| 2006 – 2008: | RADMONITOR – Radar Monitoring of the Sea States at the Port of Sines, at CENTEC - Center for Marine Technology and Engineering, Technical University of Lisbon, Portugal. |
| 2004 – 2008: | Wave-curent Interactions in the Nearshore, individual grant (SFRH/BD/13176/2003), at CENTEC - Center for Marine Technology and Engineering, Technical University of Lisbon, Portugal. |
| 2001 – 2004: | MOCASSIM - Development of national competences for the implementation of oceanographic models with data assimilation, at the Hydrographical Institute of the Portuguese Navy. http://www.hidrografico.pt/mocassim.php |

October 2011

Liliana Celia Rusu

