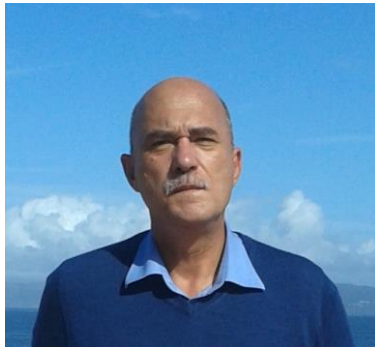




Europass Curriculum Vitae



Personal information

First name(s) / Surname(s) **Eugen Victor Cristian RUSU**
Address(es) 9 Traian St., Bl. W3 Ap. 11, 6200 Galati, Romania
Telephone(s) Personal: +402 36 410434 Mobile: +40 740205534
Fax(es) +402 36 461353
E-mail erusu@ugal.ro , eugen.rusu@mar.ist.utl.pt evcrusu@yahoo.com
Nationality Romanian
Date of birth 18.12.1957
Gender Male

Work experience

Dates Since March 2001
Occupation or position held University Professor, Department of Mechanical Engineering, Head of Laboratory of Computations and Modelling in Applied Mechanics, <http://www.im.ugal.ro/CadreDidactice.htm>
President of the Scientific Commission of the University Senate
Main activities and responsibilities Teaching, research, supervising PhD, Master students and Bachelor students.
Currently supervising also two post-doctoral fellows.
2008-2011, Institutional Responsible with Structural Funding
Since 2012 member in the commission of Mechanical Engineering of CNATDCU, National Council for Recognition of Degrees, Diplomas and Certificates, <http://www.cnatdcu.ro/>
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 Since September 2007 (also)
Occupation or position held Professor (collaborator)
<http://www.centec.ist.utl.pt/en/centec/personnel.aspx?id=1>

Main activities and responsibilities Scientific research, focused mainly on: survey, modelling and analysis of the environmental data along the navigation routes and harbour areas correlated with the natural and technological risks that may occur in these zones. In the period, 2009-2011, manager at the project NEARPORT - Development of a real-time nearshore wave prediction system for the Portuguese ports, 112 000 Euro – project granted by the Portuguese Foundation for Science and Technology with EU funding, <http://www.mar.ist.utl.pt/nearport/en/home.aspx>.
Another important issue related to the most recent research interests concerns the evaluation of the renewable energy resources in marine environment, together with efficiency assessments performed for various energy converters in different coastal environments. Finally, studies of the possible coastal impacts in the shoreline dynamics of the future marine energy parks are also currently carried out. This is because such marine energy parks can play an important role also in the coastal protection.

Name and address of employer CENTEC - Center for Marine Technology and Engineering, Technical University of Lisbon, Portugal, <http://www.mar.ist.utl.pt/en/index.aspx> Av. Rovisco Pais, 1049-001 Lisbon, Portugal

Type of business or sector Public University – Research Centre

Dates June – December 2005

Occupation or position held **Consulting scientist**

Main activities and responsibilities Modelling hydrodynamic processes in coastal environment, analysis of environmental data

Name and address of employer **NATO Undersea Research Centre**, <http://www.nurc.nato.int/>, Viale S. Bartolomeo, 400 19138 La Spezia, Italy (presently NATO Centre for Maritime Research and Experimentation)

Type of business or sector NATO Research Unit

Dates September 1982 - March 2001

Occupation or position held Successively, positions from research engineer to Associate Professor (Senior Lecturer)

Main activities and responsibilities Teaching and research

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

Education and training

Dates September 1999 - September 2004

Title of qualification awarded Post-doctoral specialization

Principal subjects/occupational skills covered Survey and analysis of the environmental data. Predictions of the environmental parameters with numerical models. Assessment of the natural and technological risks in ocean and coastal environment.

Name and type of organisation providing education and training Instituto Hidrográfico da Marinha Portuguesa, Lisbon, Portugal; <http://www.hidrografico.pt> Portuguese National Laboratory.

Dates October 1990 – May 1997

Title of qualification awarded PhD

Principal subjects/occupational skills covered Studies concerning wave propagation and impact in coastal environment
Thesis title: *'Analytical Mechanics of Continuous Media with Application to Marine Technology'*

Name and type of organisation providing education and training University "Dunarea de Jos" of Galati, Romania co supervision in collaboration with the National Technical University of Athens (under the co supervision of Prof. G. A. Athanassoulis, http://www.researchgate.net/profile/Gerassimos_Athanassoulis)

Dates October 1977 – July 1982

Title of qualification awarded Naval Architect, head of series of graduates

Principal subjects/occupational skills covered Naval and Marine engineering
 Name and type of organisation providing education and training University "Dunarea de Jos" of Galati, Romania

Personal skills and competences

Mother tongue(s) **Romanian**

Other language(s)

Self-assessment <i>European level (*)</i>	Understanding		Speaking				Writing	
	Listening	Reading	Spoken interaction		Spoken production			
English	C2 Proficient user	C2 Proficient user	C2 Proficient user		C2 Proficient user		C2 Proficient user	
Portuguese	C2 Proficient user	C2 Proficient user	C2 Proficient user		C2 Proficient user		C2 Proficient user	
Italian	C1 Proficient user	C1 Proficient user	B1	Independent user	B1	Independent user	B1	Independent user
French	B1	Independent user	B2	Independent user	A2	Basic user	A1	Basic user
Spanish	A2	Basic user	A2	Basic user	A1	Basic user	A1	Basic user

(*) *Common European Framework of Reference for Languages*

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. As project manager in Portugal I was also coordinating a research team.
 - Good ability to adapt to multicultural environments, gained through my work experience abroad: I performed scientific work in various countries, especially in Greece, Portugal and Italy and this gave me the ability to adapt very quick to multicultural environments and, on the other hand, gave me the facility of a better understanding of the multicultural issues in general.
 - Good communication skills: First of all I am a University Professor and I have to deal with a lot of students (series from 20 to 200 students), so human communication is in some sense my job. On the other hand, I have also a very large experience in participating to international meetings since I have participated in the last five years to more than 25 such meetings in various countries as: Austria, Belgium, Bulgaria, Canada, France, Greece, Italy, Moldova, Portugal, Romania, Spain and Turkey, where I presented communications that were usually extremely well received by the audience.

Organisational skills and competences In my home University (Galati University) I was for a 4-year period (2008-2011) Institutional responsible with structural Funding and I was leading a team of more than 20 people.
 As manager in Portugal (at the NEARPORT project) I was leading also a team of 7 persons
 I am currently supervising PhD, Master and Bachelor students in Romania, Portugal and Spain.

Technical skills and competences I am University Professor in Engineering, so it is supposed that 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, Renewable Energy).
 Moreover, due to my current scientific work I have special competences as regards environmental data measurements and analysis. During my work at NATO, I had the opportunity to enter in contact with the most evaluated tools and techniques related with environmental data analysis and measurements.

Computer skills and competences - very good command of Microsoft Office tools (Word, Excel and PowerPoint);
 - good command of graphic design applications (Paint Shop Pro, Photo Shop, etc)
 - extremely good command of Matlab (I developed computer software that is currently used by NATO as reflected also by the publication: A Hybrid Framework for Predicting Waves and Longshore Currents, <http://dx.doi.org/10.1016/j.jmarsys.2007.02.009> Journal of Marine Systems 69 (2008) 59–73.

Other skills and competences - I have a great capacity of concentration on my work and focus on the most essential issues. This is reflected somehow also in my list of publications;
- I have been member in various scientific committees (for example IMAM – International Maritime Association of the Mediterranean 2005, 2007, 2009, 2011)
<http://www.mar.ist.utl.pt/imam2005/commitee.aspx>
<http://www.imamhomepage.org/imam2007/structure.aspx>, <http://www.emr2015.org>
<http://www.imam2009.itu.edu.tr/organization.html> <http://www.imam2011.it/Committees.html>
IWWW2013 http://www.iweee.ugal.ro/documente/Program_final.pdf
AMMA2013 <http://amma2013.utcluj.ro/committees.html>
ICMSAV 2014 http://sd.utcb.ro/upload/content/docs/420_pliant_icmsav_2014_call2_ro.pdf
EMR 2015 <http://www.emr2015.org/committees.html>
and professional organizations (OCEANEXPERT <http://oceanexpert.org> ; MARTEC, http://www.iode.org/index.php?option=com_oe&task=viewMemberRecord&memberID=13477
http://ioc-unesco.org/index.php?option=com_oe&task=viewMemberRecord&memberID=13477

Driving licence Category B

Additional information - **FP7 - International Expert Evaluator, the calls -SMARTCITIES-2013 FP7-ENERGY-2013-1**
<http://www.2020-horizon.com/Design-tools-enabling-technologies-and-underpinning-research-to-facilitate-ocean-energy-converter-arrays-i905.html>
http://ec.europa.eu/research/participants/data/ref/fp7/list_fp7_experts/cooperation/energy/energy_2013_en.xlsx
- International Expert Evaluator for the Bulgarian National Fund - 73 projects evaluated in 2008 and 2009 in the fields of renewable energy and environment;
- International Expert Evaluator- MARTEC;
- International Expert Evaluator / South-East Europe Program;
- International reviewer (Journal of Marine Systems, Ocean Engineering, Renewable Energy, Energy Conversion and Management, Journal of Environmental Radioactivity, Journal of Coastal Research, International Journal of Green Energy, Environmental Engineering and Management Journal, IMAM and OMAE conferences), more than 50 scientific works reviewed in the last five years;
- Institutional responsible with the bilateral cooperation programme for joint PhD co-supervision between UDJG and IST Lisbon:
- National evaluator CNCSIS, with more than 50 projects evaluated in the last five years;
- National evaluator CNMP (National Centre of Project Management) in the fields of Defence and National Security (16 projects evaluated);
- Included in the Romanian National Portal of the Scientists;
- Member in the Editorial Boards of:
International Journal Ocean Systems Engineering
<http://technopress.kaist.ac.kr/?journal=ose&subpage=2#>
Journal of Shipping and Ocean Engineering
<http://www.davidpublishing.org/davidpublishing/journals/J6/ship2011/ocean2011/395.html>
Journal of Geological Resource and Engineering (ISSN 2328-2193)
http://www.davidpublishing.org/journals_info.asp?id=1553#
International Journal of Advanced Alternative Energy, Environment and Ecology
<http://scientific.cloud-journals.com/index.php/IJAAEEE/about/editorialTeam>
Researcher ID: <http://www.researcherid.com/rid/B-6766-2011>
SCOPUS ID: <http://www.scopus.com/authid/detail.url?authorId=24450974700>
ORCID: <http://orcid.org/0000-0001-6899-8442>
Researchgate: https://www.researchgate.net/profile/Eugen_Rusu/?ev=hdr_xprf

Press related releases or others mentions (in Romanian and Portuguese)

<http://galateni.net/forum/topic/3294-profesorul-eugen-rusu-si-colaborarile-sale-militare/>
<http://www.viata-libera.ro/educatie/51601-galati-viata-libera-studenti-erasmus-cu-licenta-documentata-la-galati>
<http://www.ccsgalati.ro/index.php?section=despre>
<http://websig.hidrografico.pt/www/content/documentacao/hidromar/2002/hidromar73.pdf>
<https://fenix.tecnico.ulisboa.pt/downloadFile/395137910255/dissertacao.pdf>

ANNEX

LIST OF RELEVANT PUBLICATIONS AND PARTICIPATION TO RESEARCH PROJECTS

A - PUBLICATIONS IN INTERNATIONAL JOURNALS (SELECTED)

1. Rusu, E., 2014. Assessment of the Wave Energy Conversion Patterns in Various Coastal Environments, *Energies* 2014, Special Issue [Selected Papers from the 1st International e-Conference on Energies](#), 7(6) 4002-4018; <http://www.mdpi.com/1996-1073/7/6/4002>
2. Rusu, E., Diaconu, S., 2014: Costal impact of a wave dragon based energy farm operating on the near shore of the Black Sea, *Indian Journal of Geo-Marine Sciences*, 43 (2), pp. 163-175, <http://nopr.niscair.res.in/handle/123456789/27272>
3. Onea, F., Rusu E., 2014. Evaluation Of The Wind Energy In The North-West Of The Black Sea, *International Journal of Green Energy*, 11:5, 465-487, <http://dx.doi.org/10.1080/15435075.2013.773513>
4. Onea, F., Rusu E., 2014: Wind energy assessments along the Black Sea basin. *Meteorological Applications*, Vol 21, issue 2, pp. 316-329 <http://onlinelibrary.wiley.com/doi/10.1002/met.1337/abstract>
5. Zanopol, A., Onea, F., Rusu, E., 2014. Coastal impact assessment of a generic wave farm operating in the Romanian nearshore, *Energy*, 72 (8), 652-670, <http://www.sciencedirect.com/science/article/pii/S0360544214006604>
6. Rusu, L., Butunoiu, D., Rusu, E., 2014. Analysis of the extreme storm events in the Black Sea considering the results of a ten-year wave hindcast, *Journal of Environmental Protection and Ecology*, Vol. 15 (2), pp. 445-454, <http://www.jepe-journal.info/vol-15-no-2-2014>
7. Zanopol, A., Onea, F., Rusu, E., 2014. Evaluation of the coastal influence of a generic wave farm operating in the Romanian nearshore, *Journal of Environmental Protection and Ecology*, Vol. 15 (2), pp. 597-605, <http://www.jepe-journal.info/vol-15-no-2-2014>
8. Zanopol, A., Onea, F., Rusu, E., 2014. Studies concerning the influence of the wave farms on the nearshore processes, *International Journal of Geosciences*, Vol 5 (7), pp. 728-738, <http://www.scirp.org/journal/PaperInformation.aspx?PaperID=47121>
9. Bentu, A., R., Rusu, E., Martinho, P., Guedes Soares, C., 2014. Assessment of the changes induced by a wave energy farm in the nearshore wave conditions, *Computers & Geosciences*, Volume 71, October 2014, Pages 50–61, <http://dx.doi.org/10.1016/j.cageo.2014.03.006>
10. Zanopol, A., Onea, F., Rusu, E., 2014. The Coastal Impact of the WEC Arrays Operating in the Coastal Environment of the Black Sea, *Marine Engineering Frontiers*, 2 (2) 16-23, <http://www.seipub.org/mef/paperInfo.aspx?ID=16614>
11. Toderascu, R., Rusu, E., 2014, Implementation of a Joint System for Waves and Currents in the Black Sea, *International Journal of Ocean System Engineering* 4(1) (2014) 28-41, http://www.koreascience.or.kr/search/articlepdf_ocean.jsp?url=http://ocean.kisti.re.kr/download/volume/kcore/E1GPBT/2014/v4n1/E1GPBT_2014_v4n1_29.pdf
12. Rusu, E and Guedes Soares, C., 2013, Coastal impact induced by a Pelamis wave farm operating in the Portuguese nearshore, *Renewable Energy* 58, 34-49 <http://dx.doi.org/10.1016/j.renene.2013.03.001>
13. Rusu, E., Onea, F., 2013: Evaluation of the wind and wave energy along the Caspian Sea, *Energy*, Vol 50, pp. 1-14, <http://dx.doi.org/10.1016/j.energy.2012.11.044>
14. Silva, D., Rusu, E, Guedes Soares, C, 2013, Evaluation of Various Technologies for Wave Energy Conversion in the Portuguese Nearshore, *Energies*, 6(3), 1344-1364, <http://www.mdpi.com/1996-1073/6/3/1344>
15. Diaconu, S, Rusu, E, 2013. The environmental impact of a Wave Dragon array operating in the Black Sea, *The Scientific World Journal*, pp. 1-20, <http://www.hindawi.com/journals/tswi/aip/498013/>
16. Toderascu, R., Rusu, E., 2013, Evaluation of the Circulation Patterns in the Black Sea Using Remotely Sensed and *in Situ* Measurements, *International Journal of Geosciences*, Vol 4 (7), 1009-1017, <http://dx.doi.org/10.4236/ijg.2013.47094>
17. Diaconu, S, Onea, F, Rusu, E, 2013. Evaluation of the nearshore impact of a hybrid wave-wind energy farm, *International Journal of Education and Research*, 2013, 1(2), <http://www.ijern.com/images/February-2013/24.pdf>

18. Gonçalves, M, Rusu, E., and Guedes Soares, C., 2013, Evaluation of Two Spectral Wave Models in Coastal Areas, *Journal of Coastal Research*, in press, <http://www.icronline.org/>
19. Rusu, E and Guedes Soares, 2013: Modeling waves in open coastal areas and harbors with phase resolving and phase averaged models, *Journal of Coastal Research*, 29 (6) 1309-1325, <http://www.icronline.org/doi/abs/10.2112/JCOASTRES-D-11-00209.1>
20. Gasparotti, C., Raileanu, A. & Rusu E, 2013, *New Strategies for the Waste Management in the Black Sea Region*, *EuroEconomica*, 2013, issue 2(32), pages 79-92, <http://EconPapers.repec.org/RePEc:dug:journl:y:2013:i:2:p:79-92>
21. Rusu, E., Guedes Soares, C., 2012: Wave energy pattern around the Madeira islands. *Energy*, Vol. 5, Issue 1, pp 771-785. <http://dx.doi.org/10.1016/j.energy.2012.07.013>
22. Butunoiu, D., Rusu, E. 2012: Sensitivity tests with two coastal models, *Journal of Environmental Protection and Ecology*, Vol. 13 (3), pp. 1332-1349, <http://www.jepe-journal.info/journal-content/vol-13-no3-2012>
23. Ivan, A., Gasparotti, C., Rusu, E., 2012: Influence of the interactions between waves and currents on the navigation at the entrance of the Danube delta. Protection and Sustainable Management of the Black Sea Ecosystem, Special Issue. *Journal of Environmental Protection and Ecology*, Vol. 13 (3A), pp 1673-1682, <http://www.jepe-journal.info/journal-content/vol13-no-3a>
24. Gasparotti, C., Rusu, E., 2012: Methods for the risk assessment in maritime transportation in the Black Sea basin. Protection and Sustainable Management of the Black Sea Ecosystem, Special Issue, *Journal of Environmental Protection and Ecology*, 13 (3A), pp 1751-1759, <http://www.jepe-journal.info/journal-content/vol13-no-3a>
25. Butunoiu, D., Rusu, E., 2012: A Matlab interface associated with modeling surface waves in the nearshore, Protection and Sustainable Management of the Black Sea Ecosystem, Special Issue, *Journal of Environmental Protection and Ecology*, 13 (3A), pp 1606-1816 <http://www.jepe-journal.info/journal-content/vol13-no-3a>
26. Rusu, E, 2011: Strategies in using numerical wave models in ocean/coastal applications. *Journal of Marine Science and Technology- Taiwan*, Vol. 19, No. 1, pp 58-73. <http://imst.ntou.edu.tw/marine/19-1/58-75.pdf>
27. Rusu, E., Gonçalves, M and Guedes Soares, C., 2011: Evaluation of the wave transformation in an open bay. *Ocean Engineering*, Vol. 38, 16, pp 1763–1781, <http://dx.doi.org/10.1016/j.oceaneng.2011.08.005>
28. Rusu, E. and Guedes Soares, C., 2011: Wave modeling at the entrance of ports. *Ocean Engineering*, Vol. 38, 17-18, pp 2089-2109 <http://dx.doi.org/10.1016/j.oceaneng.2011.09.002>
29. Rusu, E, 2011: A MATLAB toolbox associated with modeling coastal waves. *Current Development in Oceanography*, Volume 2, Number 1, pp 17-52, <http://www.pphmj.com/journals/articles/749.htm>
30. Rusu, E. and Guedes Soares, C., 2010: Validation of Two Wave and Nearshore Current Models. *Journal of Waterway, Port, Coastal, and Ocean Engineering*, Volume 136, Issue 1, January/February 2010, pp 27-45. [http://dx.doi.org/10.1061/\(ASCE\)WW.1943-5460.0000023](http://dx.doi.org/10.1061/(ASCE)WW.1943-5460.0000023)
31. Rusu, E, 2010: Modeling of wave-current interactions at the Danube's mouths. *Journal of Marine Science and Technology*, Vol. 15, Issue 2, pp 143-159. <http://dx.doi.org/10.1007/s00773-009-0078-x>
32. Rusu, E. and Guedes Soares C., 2009: Numerical modeling to estimate the spatial distribution of the wave energy in the Portuguese nearshore. *Renewable Energy*, Elsevier, Volume 34, Issue 6, pp 1501-1516. <http://dx.doi.org/10.1016/j.renene.2008.10.027>
33. Rusu, E, 2009: Wave energy assessments in the Black Sea. *Journal of Marine Science and Technology*, Springer, Volume 14, Issue 3 pp. 359-372. <http://dx.doi.org/10.1007/s00773-009-0053-6>
34. Rusu, E. and Macuta, S., 2009: Numerical Modelling of Longshore Currents in Marine Environment. *Environmental Engineering and Management Journal*, January/February 2009, Vol.8, No.1, pp 147-151. http://omicron.ch.tuiasi.ro/EEMJ/pdfs/vol8/no1/33_Rusu.pdf
35. Rusu, E., Conley, D.C. and Coelho, E.F., 2008: A Hybrid Framework for Predicting Waves and Longshore Currents. *Journal of Marine Systems*, Volume 69, Issues 1-2, pp 59–73. <http://dx.doi.org/10.1016/j.jmarsys.2007.02.009>
36. Rusu, E., Guedes Soares C. and Pilar, P., 2008: Evaluation of the Wave Conditions in Madeira Archipelago with Spectral Models. *Ocean Engineering*, Volume 35, Issue 13, September 2008, pp 1357-1371 <http://dx.doi.org/10.1016/j.oceaneng.2008.05.007>
- Observation:** this article is included as reference in the homepage of the SWAN model, <http://swanmodel.sourceforge.net/> (section SWAN related publications, position 37).
37. Rusu, E., Silva, R. Soares, C.V. and Rusu, L., 2003: Wave Forecast in the Coastal Environment Affected by M/V Prestige Breakdown, *Thalassas International Journal of Marine Science*, Madrid, Spain, pp 161-162. <http://geoma.net/ediciones/thalassas1.pdf>
Vol 19 (3), Special issue containing the papers presented at the 4th Symposium on the Atlantic Iberian Continental Margin, Vigo, Spain, 7-10 July. (work included in the database http://www.noc.soton.ac.uk/gg/EUROSTRATAFORM/resources/portug_ref.html)
38. Pinto, J. P., Rusu, E., Silva, R. and Soares, C.V., 2003: Large Scale Wave Model Predictions for the Iberian Western Coast. *Thalassas – An International Journal of Marine Science*, Vol 19 (3), pp 159-160, Special issue containing the papers presented at the 4th Symposium on the Atlantic Iberian Continental Margin, Vigo, Spain, 7-10 July. <http://geoma.net/ediciones/thalassas1.pdf>
39. Onofre, M., Vitorino, J., Pinto, J.P. and Rusu, E., 2003: Apoio Ambiental ao SWORDFISH 2003 (The Environmental Support to the Exercise SWORDFISH 2003). *Boletim de Instituto Hidrográfico*, Lisbon, Portugal, Hidromar, N° 76 Mar/Abr, pp 1-5 (in portuguese). <http://websig.hidrografico.pt/www/content/documentacao/hidromar/2003/hidromar76.pdf>

40. Ezequiel, M., Soares, C.V., Baptista, R., Pacheco, B., Fernandes, S., Barata, S., Santos, Q., Almeida, S., Silva, J., Vitorino, J., Clemente, C., Silva, R., Rusu, E., Aguiar, J., 2003: O Papel do INSTITUTO HIDROGRÁFICO no Acompanhamento e Previsão da Deriva do Fuel Derramado pelo Navio Prestige (The Role Played by the Hydrographic Institute in Following and Predicting the Drift of the Oil Released by M/V Prestige). *The Annals of Instituto Hidrográfico*, Lisbon, Portugal, No 16, 2002-2003, pp. 7-12 (in portuguese).

http://websig.hidrografico.pt/www/content/documentacao/anais/Anais_16.pdf

(included also in <http://www.iuqg.org/members/nationalreports/portugal2006.pdf>)

41. Rusu, E., Soares, C.V., 2002: Total Wave – a Tool to Assess the Nearshore Wave Conditions. *The Annals of Instituto Hidrográfico*, Lisbon, Portugal, No 16, 2002-2003, pp. 25-35, http://websig.hidrografico.pt/www/content/documentacao/anais/Anais_16.pdf

42. Rusu, E., Soares, C.V., 2001: Pre-processing and post-processing of model wave data in the nearshore. *The Annals of Instituto Hidrográfico*, Lisbon, Portugal, No 15, pp. 65-74. http://websig.hidrografico.pt/www/content/documentacao/anais/Anais_15.pdf

B - PUBLICATIONS IN THE PROCEEDINGS OF RELEVANT INTERNATIONAL CONFERENCES (SELECTED)

43. Rusu, E., 2014. Assessment of the Wave Energy Conversion Patterns in Various Coastal Environments, 1st International e-Conference on Energies 2014, c015; <http://www.sciforum.net/conference/ece-1/ece-c> doi:10.3390/ece-1-c015

44. Rusu, E., Zanopol, A., 2014. Modelling the coastal processes at the mouths of the Danube River in the Black Sea, Poster at The general EGU Assembly, Viena 28.04-02.05, 2014, EGU2014-2154, <http://meetingorganizer.copernicus.org/EGU2014/posters/14437>

45. C., Gasparotti, L., Domnisoru, E., Rusu, 2014, Scenarios for the navigation routes in the black sea considering the seakeeping safety criteria, SGEM 2014 : 14th International Multidisciplinary Scientific GeoConference, 17-26 June, Albena, Bulgaria, <http://www.sgem.org/>

46. Zanopol, A., Onea, F., Rusu, E., 2014. Longshore currents evaluation along the Romanian Black Sea coast, SGEM 2014 : 14th International Multidisciplinary Scientific GeoConference, 17-26 June, Albena, Bulgaria, <http://www.sgem.org/>

47. Zanopol, A., Onea, F., Rusu, E., 2014. Wave farm influences on the mangalia nearshore wave pattern, SGEM 2014 : 14th International Multidisciplinary Scientific GeoConference, 17-26 June, Albena, Bulgaria, <http://www.sgem.org/>

48. Rusu, L., Butunoiu, D., Rusu, E., 2014. Analysis of the extreme storm events in the Black Sea considering the results of a five year wave hindcast, International Conference AQUALIRES 2014 – New tools for sustainable management of aquatic living resources, Bucharest, Romania, 17-18 January 2014, <http://aqualires.incdpm.ro/images/AGENDA.pdf>, included in the calendar of the European Environment Agency, <http://www.eea.europa.eu/events/new-tools-for-sustainable-management>

49. Zanopol, A., Onea, F., Rusu, E., 2014. Evaluation of the coastal influence of a generic wave farm operating in the Romanian nearshore, International Conference AQUALIRES 2014 – New tools for sustainable management of aquatic living resources, Bucharest, Romania, 17-18 January 2014, <http://aqualires.incdpm.ro/images/AGENDA.pdf>, included in the calendar of the European Environment Agency, <http://www.eea.europa.eu/events/new-tools-for-sustainable-management>

50. Diaconu, S, Rusu, E, 2013. Evaluation of various WEC devices in the Romanian near shore, WSEAS International Conference on Energy and Environment Technologies and Equipment (EEETE '13). Brasov, Romania, June 1-3, 2013, pp. 92-102, <http://www.wseas.us/e-library/conferences/2013/Brasov/ABIETE/ABIETE-14.pdf>

51. Diaconu, S, Rusu, E, 2013. The influence of a WEC array on the Romanian coastal environment, WSEAS International Conference on Energy and Environment Technologies and Equipment (EEETE '13). Brasov, Romania, June 1-3, 2013, pp. 99-116, <http://www.wseas.us/e-library/conferences/2013/Brasov/STAED/STAED-16.pdf>

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130. Rusu, E., 1997: *Classical Mechanics*, vol. I, *Statics and Kinematics*, Publishing House of University "Dunarea de Jos" of Galati, 164p, (in Romanian).

D - PARTICIPATION TO RELEVANT RESEARCH PROJECTS

D1 Project responsible

NEARPORT (2009-2011) - Development of a real-time nearshore wave prediction system for the Portuguese ports, 112 000 Euro – project granted by the Portuguese Foundation for Science and Technology with EU funding (112 000 €), <http://www.mar.ist.utl.pt/nearport/en/home.aspx>

LUSOWAVES (2004-2008) - Development of an operational wave prediction system for the Portuguese coastal environment, individual research grant funded by the Portuguese Foundation for Science and Technology (<http://www.fct.pt/index.phtml.en>) with EU funding (62 000 €), (included also in <http://www.iugg.org/members/nationalreports/portugal2006.pdf>).

ENVIRONMENTAL GUIDE for the wave and current conditions in the Portuguese nearshore (2001-2003), individual research grant funded by the Portuguese Foundation for Science and Technology (<http://www.fct.pt/index.phtml.en>) with EU funding (58 000 €), (included also in <http://www.iugg.org/members/nationalreports/portugal2006.pdf>).

Influence of the wave conditions on the offshore operations and structures (1999). Romanian National Research Grant financed by the National Agency of Research, No. 9007/1999 item 122, (documentation in Romanian).

D2 Participation as team member, post doc fellow or expert

CCSEWAVS (2012-2014) - Estimating the effects of Climate Change on sea level and wave climate of the Greek seas, coastal vulnerability and safety of coastal and marine structures funded by the Greek state participant as international expert). <http://thalis-ccseawavs.web.auth.gr/el/>
http://thalis-ccseawavs.web.auth.gr/el/meetings/doc_download/35-wp2-ntua

DAMWAVE (2013-2015), Implementation of data assimilation methods to improve the wave predictions in the Romanian nearshore, CNCS – UEFISCDI, project number PN-II-ID-PCE-2012-4-0089, <http://www.im.ugal.ro/DAMWAVE/index.htm>

EXTREME SEAS (2011) - Design for Ship Safety in Extreme Seas, <http://www.mar.ist.utl.pt/en/centec/projects.aspx?id=1&projectid=95> DG RTD-H2-Transport, participation as post doc fellow at CENTEC - Center for Marine Technology and Engineering, Technical University of Lisbon, Portugal.

SAFEOFFLOAD (2011) Safe Offloading from Floating LNG Platforms <http://www.mar.ist.utl.pt/safeoffload/> participation as post doc fellow at CENTEC - Center for Marine Technology and Engineering, Technical University of Lisbon, Portugal.

MARPORT (2007-2008) System to Forecast Wave Conditions in the Portuguese Ports <https://www.apdl.pt/gca/index.php?id=1233153108> participation as post doc fellow at CENTEC - Center for Marine Technology and Engineering, Technical University of Lisbon, Portugal.

FORWARD EYE (2005), NURC-FR-2006-014, project developed at the NATO Undersea Research Centre (NURC), <http://www.nurc.nato.int/>, La Spezia Italy. Participation as project expert, responsible for the phase: A NATO tool for prediction of waves and longshore currents in the surf zone, http://www.nurc.nato.int/publications/reports_2006.htm

HYBRID SURF MODELING (2005), NURC-FR-2006-016, project developed at the NATO Undersea Research Centre (NURC), <http://www.nurc.nato.int/>, La Spezia Italy, participation as project expert http://www.nurc.nato.int/publications/reports_2006.htm

MARSTRUCT (2004-2006) - a network of excellence on marine technology, team member from University Dunarea de Jos of Galati

MOCASSIM (2001-2004) - Development of national competences for the implementation of oceanographic models with data assimilation, <http://www.hidrografico.pt/mocassim.php>, team member as post doc fellow at the Hydrographical Institute of the Portuguese Navy.

Observation: participation to more than another 20 national projects (not listed)

E – PhD THESES SUPERVISED

1. Dorin Butunoiu (PhD thesis finalized in 2012), Implementation of a wave prediction system to increase the safety of the harbour operations in the Romanian nearshore.

2. Florin Onea (PhD thesis finalized in 2013), Studies Concerning the Renewable Energy Extraction in Marine Environment with Applications to the Black Sea Basin.

3. Angela Stela Ivan (PhD thesis finalized in 2013), Study of the coastal processes at the mouths of the Danube and evaluation of their impact on the human activities.

4. Sorin Diaconu (PhD thesis finalized in 2013), Studies regarding the Influence of Marine Energy Farms and Offshore Structures on Coastal Hydrodynamics

5. Robert Toderrascu (PhD thesis finalized in 2014), Study concerning the implementation of a system based on numerical models to evaluate the pollution propagation in the marine environment

6. Carmen Gasparotti (PhD thesis finalized in 2014), Researches and contributions on the increasing safety navigation in the Black Sea.

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Eugen Rusu

