



Curriculum vitae Europass



Informații personale

Nume / Prenume **Eugen Victor Cristian Rusu**
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Naționalitate(-tăți) Român
Data nașterii 18.12.1957
Sex Masculin

Domeniul ocupațional

Experiența profesională

Perioada Începând cu Martie 2001
Funcția sau postul ocupat Profesor Universitar, Departamentul de Inginerie Mecanică
<http://www.im.ugal.ro/CadreDidactice.htm>
Activități și responsabilități principale Activitate didactică, cercetare științifică, îndrumare, post doctoranzi, doctoranzi, masteranzi și studenți la licență.
Conducător de doctorat – 7 doctori cu tezele finalizate și validate de CNADCU și 3 doctoranzi în stagiul, îndrumător la 2 post-doctoranzi,
2008-2011 – Responsabil instituțional cu Fonduri Structurale
începând cu Septembrie 2012, membru în comisia de Inginerie Mecanică a CNATDCU
<http://www.cnatdcu.ro/>
2013-2015 Președinte Comisia pentru Cercetare științifică a Senatului UDJG
Evaluator național (CNCSIS, ANCS, UEFISCDI, CNMP, ARACIS, ACPART), peste 100 de proiecte evaluate în ultimii 5 ani, <http://www.experti-cdi.ro/>
ETS în cadrul proiectelor DOCIS, PERFORM și PhD EXPERT
<http://www.phd-expert.ugal.ro/contact.htm>
- Evaluator internațional pentru Fundația de Științe și Tehnologie din Bulgaria – 75 de proiecte evaluate;
Evaluator Comisia Europeană pentru programele FP7 și Horizont 2020
Membru în rețeaua națională a comunicatorilor Regio.
In 2015, Doctor Honoris Causa la Universitatea Maritimă din Constanța, România
http://prev.ugal.ro/stiri/profesorul_eugen_rusu_este_doctor_honoris_causa_la_universitatii_maritime_din_constanta

Numele și adresa angajatorului Universitatea Dunărea de Jos din Galați, <http://www.ugal.ro/>
Str. Domneasca, Nr. 111, 800008 Galați, România,
Tipul activității sau sectorul de activitate Universitate publică

Perioada	Începând cu Septembrie 2007 (de asemenea)
Funcția sau postul ocupat	Profesor (colaborator) http://www.centec.ist.utl.pt/en/centec/personnel.aspx?id=1
Activități și responsabilități principale	Cercetare științific focalizat în special pe analiza și modelarea datelor de mediu în zonele rutelor de navigație și în apropierea arilor portuare, corelate cu riscurile naturale și tehnologice care pot apărea în aceste zone. În perioada 2009 - 2011, manager al proiectului (NEARPORT – Dezvoltarea unui sistem de predicție în timp real pentru condițiile de navigație din zonele portuare – proiect de cercetare finanțat de Fundația Portugheză pentru Cercetare și Tehnologie din fonduri UE, 112 000 Euro). http://www.mar.ist.utl.pt/nearest/en/home.aspx Un alt aspect important relaționat cu direcțiile de cercetare mai recente privește și evaluarea resurselor de energie re folosibile din mediul marin, împreună cu studii privind eficiența a diverse dispozitive de conversie a energiei în diferite zone costiere. De asemenea, sunt realizate studii privind posibilul impact costier al viitoarelor parcuri energetice marine (care pot juca un rol fundamental și în protecția costieră).
Numele și adresa angajatorului	CENTEC – Centrul pentru tehnologii marine și inginerie oceanică, Universitatea Lisabona, Portugalia http://www.mar.ist.utl.pt/en/index.aspx , Av. Rovisco Pais, 1049-001 Lisbon, Portugal
Tipul activității sau sectorul de activitate	Universitate publică – Centru de cercetare
Perioada	Iunie – Decembrie 2005
Funcția sau postul ocupat	Consultant științific (Expert)
Activități și responsabilități principale	Modelarea proceselor hidrodinamice din zonele costiere și analiza datelor din mediul marin
Numele și adresa angajatorului	Centrul de cercetări subacvatice NATO - NATO Undersea Research Centre (în prezent NATO Centre for Maritime Research and Experimentation) http://www.nurc.nato.int/ , Viale S. Bartolomeo, 400 19138 La Spezia, Italia
Tipul activității sau sectorul de activitate	Centru de cercetări al NATO
Perioada	Septembrie 1982 - Martie 2001
Funcția sau postul ocupat	Successiv pozițiile de asistent, șef de lucrări și conferențiar universitar
Activități și responsabilități principale	Activitate didactică și cercetare științifică
Numele și adresa angajatorului	Universitatea Dunărea de Jos din Galați, http://www.ugal.ro Str. Domneasca, Nr. 111, 80008 Galați, România
Tipul activității sau sectorul de activitate	Universitate publică

Educație și formare

Perioada	Septembrie 1999 - Septembrie 2004
Calificarea / diploma obținută	Specializare post doctoral
Disciplinele principale studiate / competențe profesionale dobândite	Analiza și interpretarea datelor din mediul marin. Predicția evoluției parametrilor din mediul marin utilizând modele numerice. Evaluarea riscurilor tehnologice și naturale din mediile marine și costiere.
Numele și tipul instituției de învățământ / furnizorului de formare	Institutul Hidrografic al Marinei Portugheze (Instituto Hidrográfico da Marinha), Lisabona, Portugalia http://www.hidrografico.pt – instituție de cercetare cu rang de Laborator Național.
Perioada	Octombrie 1990 – Mai 1997
Calificarea / diploma obținută	Doctorat
Disciplinele principale studiate / competențe profesionale dobândite	Studii privind propagarea și impactul valurilor în mediul costier Titlul tezei: <i>'Mecanica Analitică a Mediilor Continue cu Aplicații la Tehnologia Marină'</i>

Numele și tipul instituției de învățământ / furnizorului de formare Universitatea Dunărea de Jos din Galați în colaborare cu Universitatea Națională Tehnică din Atena (co-îndrumător Prof. G. A. Athanassoulis, http://www.researchgate.net/profile/Gerassimos_Athanassoulis)

Perioada Octombrie 1977 – Iulie 1982

Calificarea / diploma obținută Arhitectură Navală, Șef de promoție

Disciplinele principale studiate / competențe profesionale dobândite Inginerie navală și tehnologii marine

Numele și tipul instituției de învățământ / furnizorului de formare Universitatea Dunărea de Jos din Galați

Aptitudini și competențe personale

Limba(i) matern(e) Română

Limba(i) străină(e) cunoscut(e)

Autoevaluare Nivel european (*)	În alegere		Vorbire		Scriere
	Ascultare	Citire	Participare la conversație	Discurs oral	Exprimare scris
Englez	C2 Utilizator experimentat	C2 Utilizator experimentat	C2 Utilizator experimentat	C2 Utilizator experimentat	C2 Utilizator experimentat
Portughez	C2 Utilizator experimentat	C2 Utilizator experimentat	C2 Utilizator experimentat	C2 Utilizator experimentat	C2 Utilizator experimentat
Italian	C1 Utilizator experimentat	C1 Utilizator experimentat	B1 Utilizator independent	B1 Utilizator independent	B1 Utilizator independent
Francez	B1 Utilizator independent	B2 Utilizator independent	A2 Utilizator elementar	A1 Utilizator elementar	A1 Utilizator elementar
Spaniol	A2 Utilizator elementar	A2 Utilizator elementar	A1 Utilizator elementar	A1 Utilizator elementar	A1 Utilizator elementar

(*) Nivelul Cadrului European Comun de Referință Pentru Limbi Străine

Competențe și abilități sociale

- Lucru în echipă : am lucrat în diverse echipe de cercetare și majoritatea publicațiilor mele majore au fost realizate în echipă . Ca manager de proiect în Portugalia am coordonat de asemenea o echipă .
- Abilitate bună de adaptare la medii multiculturale, câștigată datorită experienței mele de lucru în străinătate. Am desfășurat activitate de cercetare științifică în diverse țări, mai ales Grecia, Portugalia, și Italia și aceasta mi-a dat abilitatea să mă adaptez foarte rapid la mediile multiculturale, și pe de altă parte să în aleg problemele multiculturalității în general.
- Capacități bune de comunicare: în primul rând sunt profesor universitar și trebuie să comunic cu grupe de studenți (serii între 20 și 200 de studenți), deci comunicarea interumană este întrucâtva meseria mea. Pe de altă parte, am de asemenea o mare experiență în participarea la manifestări internaționale și am participat în ultimii 10 ani la mai mult de 50 de astfel de manifestări științifice în: Austria, Belgia, Bulgaria, Canada, Croația, Franța, Grecia, Italia, Moldova, Portugalia, România, Serbia, Spania, Tailanda și Turcia, unde am prezentat comunicări științifice care au fost foarte bine primite de audiență .

Competențe și aptitudini organizatorice

În Universitatea Dunărea de Jos din Galați am fost în perioada 2008-2011 responsabil instituțional cu fondurile structurale și am condus o echipă formată din mai mult de 20 de membri. De asemenea, în perioada 2013-2015 am îndeplinit funcția de Președinte al Comisiei pentru Cercetare Științifică a Senatului UDJG, comisie care număra aproximativ 20 de membri.

Ca manager de proiect în Portugalia am condus o echipă de 7 persoane.

Coordonez doctoranzi, masteranzi și studenți pentru licență atât în România cât și în Portugalia și Spania.

Competențe și aptitudini tehnice	<p>Sunt profesor Universitar în domeniul ingineriei, deci este de presupus că am acumulat de-a lungul timpului competențe considerabile în diverse arii ale tehnicii relaționate cu aria mea de expertiză.</p> <p>Mai mult, datorită activităților mele științifice curente am acumulat competențe speciale în ceea ce privește tehnicile de măsurare și analiză a datelor din mediul marin. În timpul perioadei cât am lucrat la NATO am avut oportunitatea să intru în contact cu cele mai evolute instrumente și tehnici relaționate cu analiza și măsurarea datelor din mediul marin. În calitate de evaluator FP7 și Horizon 2020 la Comisia Europeană am luat cunoștință și am evaluat unele dintre cele mai avansate proiecte de cercetare științifică din domeniul tehnologiilor pentru extragerea energiei re folosibile în mediul marin.</p>
Competențe și aptitudini de utilizare a calculatorului	<ul style="list-style-type: none"> - foarte bune competențe în Microsoft Office tools (Word, Excel and PowerPoint); - bune competențe în utilizarea softurilor grafice (Paint Shop Pro, Phot Shop, etc) - extreme de avansat în Matlab. Am dezvoltat softuri care sunt utilizate în mod curent de NATO a a cum rezultă din publicația: A Hybrid Framework for Predicting Waves and Longshore Currents, Journal of Marine Systems 69 (2008) 59–73. doi:10.1016/j.jmarsys.2007.02.009
Alte competențe și aptitudini	<ul style="list-style-type: none"> - Am o capacitate foarte mare de concentrare și de a sesiza aspectele esențiale. Aceasta este reflectată de asemenea și din dinamica publică a ilor mele din ultimii ani Revizor recunoscut la mai multe jurnale internaționale: http://www.reviewerpage.com/E--Rusu - In 2015 am primit Diploma 'Certificate of Outstanding Contribution in Reviewing', Renewable Energy, ELSEVIER; - Am fost membru în diverse comitete științifice (ca de exemplu IMAM 2005, 2007, 2009 și 2011) <ul style="list-style-type: none"> http://www.mar.ist.utl.pt/imam2005/committee.aspx, http://www.imamhomepage.org/imam2007/structure.aspx http://www.imam2009.itu.edu.tr/organization.html http://www.imam2011.it/Committees.html IWEEE2013 http://www.iweee.ugal.ro/ AMMA2013 http://amma2013.utdij.ro/committees.html ICMSAV 2014 EMR 2015 http://www.emr2015.org/committees.html ICACER 2016, http://www.icacer.com/com.html Workshop DAMWAVE http://www.im.ugal.ro/DAMWAVE/index_files/Flyer_Damwave_RO.jpg și organizații profesionale (OCEANEXPERT http://oceanexpert.org ; MARTEC www.innovamar.org, 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
Permis(e) de conducere	Categoria B

- Informa ii suplimentare** - FP7 - Expert Evaluator International, pentru apelurile -SMARTCITIES-2013 FP7-ENERGY-2013-1
http://ec.europa.eu/research/participants/data/ref/fp7/list_fp7_experts/cooperation/energy/energy_2013_en.xlsx
Expert evaluator international pentru programul H2020 (Energy)
 - http://ec.europa.eu/research/participants/portal/desktop/en/funding/reference_docs.html#h2020-expertslists-excellent-erc
 - Responsabil program interna tional de colaborare în domeniul pregătirii doctorale între Universitatea din Gala i i Universitatea Tehnică din Lisabona (începând cu anul 2006)
 - Revizor interna tional (Journal of Marine Systems, Renewable Energy, Energy Conversion and Management, Journal of Environmental Radioactivity, International Journal of Green Energy, Environmental Engineering and Management Journal, Journal of Coastal Research, Ocean Engineering, Conferin e IMAM i OMAE), aprox. 50 de lucrări științifice recenzate în ultimii 5 ani;
 - Membru în colectivul editorial la:
 International Journal Ocean Systems Engineering
<http://www.techno-press.org/?journal=ose&subpage=7>
 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>
Lead Guest Editor, Advances in Meteorology, Special issue Wind and Wave Predictions in Marine Environments
<http://www.hindawi.com/journals/amete/si/320878/cfp/>
 - **Associate Editor**, Journal: Frontiers in Marine Science, section Ocean Engineering, Technology, and Solutions for the Blue Economy,
 - <http://journal.frontiersin.org/journal/marine-science/section/ocean-engineering-technology-and-solutions-for-the-blue-economy>

Researcher ID: <http://www.researcherid.com/rid/B-6766-2011>

SCOPUS ID: <http://www.scopus.com/authid/detail.url?authorid=24450974700>

Google Academic: <https://scholar.google.com.br/citations?user=0cQG-IAAAJ&hl=ro>

Researchgate: https://www.researchgate.net/profile/Eugen_Rusu/?ev=hdr_xprf

ORCID: <http://orcid.org/0000-0001-6899-8442>

Brain map: <https://www.brainmap.ro/profile/Rusu-Eugen>

Articole din presă sau alte mențiuni (în limbile Română sau Portughez)

<http://www.viata-libera.ro/prima-pagina/77150-performante-universitare-internationale-o-familie-de-specialisti-galateni-studiaz-a-valurile>

<http://galateni.net/forum/topic/3294-profesorul-eugen-rusu-si-colaboranile-sale-militare/>

<http://www.viata-libera.ro/educatie/51601-galati-viata-libera-studenti-erasmus-cu-licenta-documentata-la-galati>

http://prev.ugal.ro/stiri/profesorul_eugen_rusu_este_doctor_honoris_causa_al_universitatii_maritime_din_constanta

<http://www.ccsгалati.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>

<http://cpoalelungi.blogspot.ro/2015/07/eugen-rusu-fitness-cerebral.html>

<http://ciumburlia.blogspot.ro/2015/07/de-aici-din-scoala-politehnica-galateana.html>

ANEX

LISTA PUBLICA IILOR RELEVANTE I A PARTICIP RILOR LA PROIECTE DE CERCETARE

A – PUBLICA II ÎN JURNALE INTERNATIONALE (SELEC IE)

1. Rusu, E., Onea, F., 2016, Estimation of the wave energy conversion efficiency in the Atlantic Ocean close to the European islands, *Renewable Energy* 85, 687-703, <http://dx.doi.org/10.1016/j.renene.2015.07.042>
2. Rusu, E., Onea, F., 2016, Study on the influence of the distance to shore for a wave energy farm operating in the central part of the Portuguese nearshore, *Energy Conversion and Management*, 114, 209-223, <http://dx.doi.org/10.1016/j.enconman.2016.02.020>
3. Rusu, E., Raileanu, A., 2016, A multi parameter data assimilation approach for wave predictions in coastal areas, *Journal of Operational Oceanography*, 'in press' <http://dx.doi.org/10.1080/1755876X.2016.1192013>
4. Onea, F., Rusu E., 2016, Efficiency assessments for some state of the art wind turbines in the coastal environments of the Black and the Caspian seas, *Energy Exploration & Exploitation*, in press <http://eea.sagepub.com/cgi/reprint/0144598716629872v1.pdf?ijkey=XVTfIWsevdcozD&keytype=finite>
5. Onea, F., Rusu E., 2016, The expected efficiency and coastal impact of a hybrid energy farm operating in the Portuguese nearshore , *Energy*, Volume 97, 15 February 2016, Pages 411–423, <http://www.sciencedirect.com/science/article/pii/S0360544216000128>
6. Gonçalves, M, Rusu, E., and Guedes Soares, C., 2015, Evaluation of Two Spectral Wave Models in Coastal Areas, *Journal of Coastal Research*, Volume 31, Issue 2: 326-339, <http://dx.doi.org/10.2112/JCOASTRES-D-12-00226.1>
7. Onea, F., Raileanu, A, Rusu E., 2015: Evaluation of the Wind Energy Potential in the Coastal Environment of two Enclosed Seas, *Advances in Meteorology* <http://dx.doi.org/10.1155/2015/808617>
8. Rusu, E., 2014. Evaluation of the Wave Energy Conversion Efficiency in Various Coastal Environments, *Energies* 2014, Special Issue [Selected Papers from the 1st International e-Conference on Energies](http://www.mdpi.com/1996-1073/7/6/4002), 7(6) 4002-4018; <http://www.mdpi.com/1996-1073/7/6/4002>
9. Rusu, E., Diaconu, S., 2014: Coastal 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>
10. 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>
11. 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>
12. 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>
13. 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>
14. 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>
15. 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>

16. Bento, 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>
17. Zanol, 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>
18. 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
19. 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>
20. 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>
21. 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>
22. 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/tswj/aip/498013/>
23. 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>
24. 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.ijem.com/images/February-2013/24.pdf>
25. 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.jcronline.org/doi/abs/10.2112/JCOASTRES-D-11-00209.1>
26. 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>
27. 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>
28. 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>
29. 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>
30. 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>
31. 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>
32. 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://jmst.ntou.edu.tw/marine/19-1/58-75.pdf>
33. 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>
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C – C R I I CAPITOLE DE C R I (SELEC IE)

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D – PARTICIP RI LA PROIECTE DE CERCETARE, PROIECTE POSDRU I RESPONSABIL DE ACORDURI INTERA IONALE

D1 Responsabil de proiect

D1.1 Responsabil de proiecte interna ionale sau des urate în str inatate

1. 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>
2. 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>).
3. 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>).

4. NEW TECHNIQUES FOR WAVE PREDICTIONS IN SHALLOW WATER (1999-2000), Grant individual de cercetare NATO (15 000 €).

D1.2 Responsabil de proiecte na ionale

5. Studii privind influen a valurilor asupra opera iunilor offshore, grant anual CNCIS (nr. 34234/1999, tema 18), predat 1999.

6. Tehnologia de pozare a cablului de energie submarin cu izola ie i manta din cauciuc, rezistent la propagarea fl c rii - Contract de cercetare Nr. 11/1989, beneficiar I.C.P.E. Bucure ti, predat noiembrie 1989.

D2 Participare ca membru în echip , expert sau post doctorand

D2.1 Proiecte interna ionale sau desf urate în str inatate

7. EMODNET (2016-2018) – European Marine Observation and Data Network, the Black Sea Check Point, member of the expert panel, <http://emodnet-blacksea.eu/expert-panel/>

8. 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

9. 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.

10. SAFEFFLOAD (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.

11. HANDLING WAVES (2010) Decision Support System for Ship Operation in Rough Weather <http://www.mar.ist.utl.pt/handlingwaves/home.aspx> , participation as post doc fellow at CENTEC - Center for Marine Technology and Engineering, Technical University of Lisbon, Portugal.

12. 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.

13. RADMONITOR (2006-2008) Radar Monitoring of the sea states at the Port of Sines, participation as post doc fellow at CENTEC - Center for Marine Technology and Engineering, Technical University of Lisbon, Portugal. <http://www.centec.tecnico.ulisboa.pt/en/centec/projects.aspx?projectid=97>

14. 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

15. 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

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

17. 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.

18. Proiectul de cercetare – DERIVA LITORAL(2003-2005).; Estimation of the Nearshore Currents in the Iberian Nearshore, team member as post doc fellow at the Hydrographical Institute of the Portuguese Navy., Coordonator al fazelor: - Assessment of the Nearshore Circulation with the Quasi 3D Model SHORECIRC; -Development and Calibration of an Operational Model Based on the Results of the Linear and Second Order Theories

19. Proiectul de cercetare - PAMMELA (2000-2003), *Prediction of the Nearshore Wave Conditions with Spectral Models*, team member as post doc fellow at the Hydrographical Institute of the Portuguese Navy Coordonator al fazelor: - *Analysis of Wave Conditions in the Coastal Environment of Portugal by Using SWAN, Numerical Methods for Nowcasting the Wave Conditions of the Portuguese Nearshore.*

20. Incidentul generat de scufundarea petrolierului – **PRESTIGE** (Noiembrie 2002- Februarie 2003) Membru în comitetul de criz , responsabil cu estimarea i preziviuena ac iunii valurilor prin utilizarea modelelor spectrale.

21. Exerci iul naval NATO - **UNIFIED OYISSEY 2002** (Ianuarie- Februarie 2002), Membru în echipa care a furnizat suportul logistic prin realizarea de preziviueni privind evolu ia parametrilor oceanografici pe timpul desf ur rii exerci iului

22. Proiectul: *Development of New Techniques for Prediction of Wave Conditions in the Coastal Environment.* (1998-1999) **Programul bilateral interguvernamental de colaborare tehnico- tiim ific dintre România i Grecia**, subprogramul A6-1, 'Mediu i tehnologii de mediu'. Coordonator de faz - *Derivation and Implementation of a Novel Approach for the Description of the Intermediate-Depth Water-Wave Dynamics, Taking into Account Variable Bathymetry, Bottom Friction and Energy Dissipation Effects.*

23. Proiectul de cercetare **EUROWAVES**, Programul European – **FP4** (1997), membru în echipa de cercetare de la Universitatea Nationala Tehnica din Atena, Grecia (NTUA), coordonat de profesorul G.A. Athanassoulis de la Departamentul de Arhitectura Navala si Inginerie Marina.

D2.2 Proiecte na ionale

24. DAMMVAE (2013-2016), Implementarea de metode de asimilare de date pentru a îmbun t i predic ia valorilor în zonele costiere Române ti (Implementation of data assimilation methods to improve the wave predictions in the Romanian nearshore), CNCS – UEFISCDI, proiect number PN-II-ID-PCE-2012-4-0089, <http://www.im.ugal.ro/DAMMVAE/index.htm>
25. COSMOMAR (2014-2016) - Dezvoltarea unui centru de competenta pentru tehnologii spatiale, dedicat dezvoltarii sustenabile a regiunilor marine si costiere romanesti, programul STAR, participare ca membru in echipa la Institutul Grigore Antipa din Constanta. <http://www.cosmomar.ro/>
26. *Dinamica sistemelor pentru transferul hidrocarburilor din exploata rile marine*, (partea a-IIIa) - Raport final -Grant nr. 7007/1997, poz. 30/277, Octombrie 1997, pag. 1-44.
27. *Stabilitatea mi c rii obiectelor marine tractate cu i f r autogovernare*. Raport Grant nr. 5007/1996, poz. 1173, Octombrie 1996, pag. 1-21.
28. *Dinamica sistemelor pentru transferul hidrocarburilor din exploata rile marine* (partea a-IIa) - Raport final -Grant nr. 5007/1996, poz. 1174, Octombrie 1996, pag. 1-27.
29. *Dinamica sistemelor pentru transferul hidrocarburilor din exploata rile marine* (partea a-Ia) - Raport final -Grant nr. 4007/1995, poz. B10, Octombrie 1995, pag. 1-51.
30. *Studiul de solutie: Instalarea conductei submarine de gaze à 14" prin metoda imersiunii libere*. Contract Nr. 5226/30.06.1993 - Beneficiar PETROSTAR Ploie ti.
31. *Studiul i elaborarea documenta iei privind caracteristicile hidrodinamice ale unui container imers tractat*, Contract Nr. 25/2.09.1991 - Beneficiar MApN – UM 02190 Constanta.
32. *Tragerea prin tuburi de ghidare tip J a conductelor submarine*. Contract Nr. 10/1989 - Beneficiar PETROMAR Constanta.
33. *Stabilirea eforturilor mecanice ce apar in sistemul de compensare elastic (furtune elastice) care face leg tura între capetele conductelor submarine W 6, 5/8", W 12, 3/4" i geamandur*, Contract Nr. 38/1988 - Beneficiar PETROMAR Constanta.
34. *Analiza posibilit ii de lansare simultan a patru conducte submarine W 168 mm*, Contract Nr. 5/1988 Beneficiar PETROMAR Constanta.
35. *Studiu de solutie: Calculul de rezisten la eforturi combinate a conductei de gaze W 16" instalat prin metoda scufund rii libere*, Contract Nr. 5/1988 - Beneficiar PETROMAR Constanta
36. *Cercet ri teoretice i experimentale pe modele în vederea stabilirii metodelor de determinare a for elor hidrodinamice i a comport rii structurilor marine ancorate*, Contract Nr. 21 / 1987 - Beneficiar ICEPRONAV Gala i.
37. *Studiu de solutie: Calculul de rezisten la eforturi combinate a conductei submarine de gaze W 20" instalat prin metoda scufund rii libere*, Contract Nr. 43/1987 - Beneficiar PETROMAR Constanta.
38. *Flotor pentru conducta de gaze W 20" - studiu i proiect*. Contract Nr. 44/1987 - Beneficiar PETROMAR Constanta.
39. *Calculul de rezisten a conductelor submarine instalate prin metoda scufund rii libere*, Contract Nr. 41/1985 - Beneficiar PETROMAR Constanta.
40. *Determinarea experimental , prin m sur tori tensometrice, a eforturilor bra ului prototip care echipeaz macaralele de bord, la probare static i dinamic*, Contract Nr. 62/1985 - Beneficiar IMN Gala i.
41. *Analiza cazurilor de rupere ale unei barje de 2000 tdlw*, Contract Nr. 28/1980 - beneficiar ICEPRONAV Gala i.

D3. Participari la Proiecte POSDRU

42. DOCIS – Proiectul POSDRU/2/1.2/S/2 – Dezvoltarea unui sistem operational al calificarilor din invatamantul superior din Romania - ETS (Responsabil Domeniu Inginerie Mecanic)
43. PhD – EXPERT (POSDRU/21/1.5/G/19524) Cresterea calit ii in formarea cercet torilor pe baza de programe doctorale imbun t ite prin parteneriat, ETS
44. SIMBAD - Proiectul POSDRU – 6/1.5/S/15 - Sistem de Management al Burselor Acordate Doctoranzilor-SIMBAD – 1 doctorand îndrumat
45. EFICIENT - Proiectul POSDRU/88/1.5/S/761445– Eficientizarea activitatii studentilor din cadrul ciclului de studii doctorale-EFICIENT – 3 doctoranzi
46. EXCELDOC (POSDRU/159/1.5/S/132397) - 1 post doctorand i 1 doctorand îndruma i
47. PERFORM (POSDRU/159/1.5/S/138963) – ETS, 1 post doctorand îndrumat

D4. Responsabil Programe ERASMUS și acorduri bilaterale

48. Bilateral Agreement for the academic year 2015–2020 *Lifelong Learning Programme* (LLP): HIGHER EDUCATION (ERASMUS+). Persoană de contact: Carlos Guedes Soares, Instituto Superior Técnico-CENTEC, University of Lisbon, Portugal, și Prof. Eugen Rusu, Universitatea “Dunărea de Jos” din Galați, România.

49. Bilateral Agreement for the academic year 2014 *Lifelong Learning Programme* (LLP): HIGHER EDUCATION (ERASMUS). Persoană de contact: Carlos Guedes Soares, Instituto Superior Técnico-CENTEC, Technical University of Lisbon, Portugal, și Prof. Eugen Rusu, Universitatea “Dunărea de Jos” din Galați, România.

50. Bilateral Agreement for the academic year 2014–2015 *Lifelong Learning Programme* (LLP): HIGHER EDUCATION (ERASMUS). Persoană de contact: Santos Martín, Francisco Javier, Universidad de Valladolid, Spania, și Prof. Eugen Rusu, Universitatea “Dunărea de Jos” din Galați, România.

51. Bilateral Agreement for the academic years 2010–2013 *Lifelong Learning Programme* (LLP): HIGHER EDUCATION (ERASMUS). Persoană de contact: Prof. Antonio M. Goncalves Coelho, Universidade Nova de Lisboa, Portugal, și Prof. Eugen Rusu, Universitatea “Dunărea de Jos” din Galați, România.

52. Bilateral Agreement for the academic year 2010–2011 *Lifelong Learning Programme* (LLP): HIGHER EDUCATION (ERASMUS). Persoană de contact: Prof. Flavio Martins, Universidade do Algarve, Portugal, și Prof. Eugen Rusu, Universitatea “Dunărea de Jos” din Galați, România.

53. Bilateral Agreement for the academic year 2010–2011 *Lifelong Learning Programme* (LLP): HIGHER EDUCATION (ERASMUS). Persoană de contact: Dr G. Panagiaris, Technological Educational Institution (T.E.I.) of Athens, și Prof. Eugen Rusu, Universitatea “Dunărea de Jos” din Galați, România.

54. Responsabil program internațional de colaborare în domeniul pregătirii doctorale între Universitatea din Galați și Universitatea Tehnică din Lisabona (începând cu anul 2006), Persoană de contact: Carlos Guedes Soares, Instituto Superior Técnico-CENTEC, University of Lisbon, Portugal, și Prof. Eugen Rusu, Universitatea “Dunărea de Jos” din Galați, România.

55. Participare la un Program TEMPUS de 3 luni la NTUA (National Technical University of Athens) Greece, 1997.

E. ÎNDRUMARE DE DOCTORANZI ȘI POSTDOCTORANZI

E1. Teze de doctorat îndrumate și finalizate

1. **Dorin Butunoiu (teza finalizată în 2012)** Implementarea unui sistem de predicție a valurilor pentru creșterea siguranței operațiunilor portuare în zona litoralului românesc.

2. **Florin Onea (teza finalizată în 2013)** Studii privind oportunitatea extragerii energiei refolosibile în mediul marin cu aplicații la Bazinul Mării Negre.

3. **Angela Stela Ivan (teza finalizată în 2013)** Studiul proceselor costiere de la gurile Dunării și evaluarea impactului acestora asupra activităților umane.

4. **Sorin Diaconu (teza finalizată în 2013)**, Studii privind influența fermelor energetice marine și a structurilor offshore asupra hidrodinamicii costiere.

5. **Robert Toderrascu (teza finalizată în 2014)**, Studii privind implementarea unui sistem pentru evaluarea propagării agenților poluanți în mediul marin.

6. **Carmen Gasparotti (teza finalizată în 2014)**, Cercetări și contribuții privind creșterea siguranței navigației în Marea Neagră.

7. **Andrei Tanase Zanopol (teza finalizată în 2015)**. Cercetări și contribuții privind dinamica curenților costieri în zona litoralului Românesc al Mării Negre.

E2. Post doctoranzi îndrumați

1. **Florin Onea** (Mai 2014- Noiembrie 2015). Cercetări privind resursele de energie refolosibile în zonele costiere Românești ale Mării Negre (Proiectul POSDRU EXCELDOC).

2. **Dorin Butunoiu** (Mai 2014- Noiembrie 2015). Studii privind creșterea siguranței navigației și a operațiunilor portuare în Marea Neagră. (Proiectul POSDRU PERFORM).

Obs. La acestea se adaug peste 50 de dizerta ii de licen i masterat îndrumate.

Mai 2016

Eugen Rusu

A handwritten signature in black ink, consisting of a stylized initial 'E' followed by a long horizontal line that tapers to the right.