




INFORMAȚII PERSONALE



Florin ONEA

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Sex Masculin | Data nașterii 23/08/1984 | Naționalitate Român

EXPERIENȚĂ PROFESIONALĂ

Februarie 2015 - prezent

Post de lucru

Facultatea de Inginerie, Universitatea "Dunărea de Jos" din Galați, România

- Activități de predare și evaluare a studenților din cadrul Departamentului de Inginerie Mecanic

EDUCAȚIE ȘI FORMARE

Mai 2014 – Decembrie 2015

Cercetător postdoctoral (Proiect ExcelDoc POSDRU/159/1.5/S/132397)

Coordonator: Universitatea Politehnică din București; **Partener:** Universitatea "Dunărea de Jos" din Galați.

- Proiect individual de cercetare: Evaluarea surselor de energie regenerabile din apropierea zonelor costiere Românești.

Octombrie 2009 – Ianuarie 2013

Doctor Inginer (Proiect SOP HRD - EFICIENT 61445/2009)

Universitatea "Dunărea de Jos" din Galați, România

- Teză: Studii privind utilizarea surselor de energie regenerabile din mediul marin cu aplicare în bazinul Mării Negre.

Iulie 2011 – Februarie 2012

Stagiul de mobilitate

Departamentul de Mecatronică, Universitatea Duisburg-Essen, Germania

Octombrie 2004 – Iulie 2009

Inginer Diplomat (5 ani)

Facultatea de Inginerie, Universitatea "Dunărea de Jos" din Galați, România

- Licență: Analiza dinamică a unui corp imers în tractat

APTITUDINI PERSONALE

Limba maternă

Român

Limbi străine cunoscute

Englez

ÎN ELEGERE		VORBIRE		SCRIERE
Ascultare	Citire	Participare la conversație	Discurs oral	
C1	C1	C1	C1	B2

Nivel: C1/2: Utilizator experimentat

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

Abilități de comunicare

Capacitate de analiză și sinteză, axată pe obiective și rezultate concrete.

Competențe de utilizare a calculatorului

- MATLAB; SWAN; ANSYS AQWA

INFORMA II SUPLIMENTARE

PREMII

- **Premiere CNCS** (Consiliul Național al Cercetării Științifice): Anul 2016 - 3 articole (2 - zona roșie; 1 - zona galbenă); Anul 2015 - 1 articol (zona roșie); Anul 2014 - 1 articol (zona roșie); Anul 2013 - 1 articol (zona roșie).
- Locul 2 - Concursul "Nicolae Tîpeș" 2015 organizat de INCAS (Institutul Național de Cercetare-Dezvoltare Aerospațială Elie Carafoli), București, România.

ALTE MENIUNI

- Chairman al sesiunii Ocean Energy-2. OCEANS'15 MTS/IEEE GENOVA 18-21 Mai 2015 Genova, Italia.
http://genova15.oceansconference.org/userfiles/files/Oceans15_MTS_IEEE_Genova_Program_Book.pdf
- **Reviewer pentru jurnale indexate ISI:** Journal of Wind Engineering & Industrial Aerodynamics; Energy Conversion and Management; Journal of Computational Science; Energy; Applied Energy; Energies.

REZULTATE PROFESIONALE

ResearcherID: <http://www.researcherid.com/rid/D-4892-2015> (h index - 8)
Researchgate: https://www.researchgate.net/profile/Florin_Onea/?ev=hdr_xprf (RG - 21.01)
SCOPUS: <http://www.scopus.com/authid/detail.url?authorid=55326229800> (h index - 8)
ORCID: <http://orcid.org/0000-0001-9594-1388>
Google Scholar: <https://scholar.google.com/citations?user=pKmjK6MAAAAJ&hl=en> (h index - 8)

ANEXE

A - Articole în jurnale ISI (14 articole)

1. **Onea F**, Ciortan S, Rusu E, 2017. *Assessment of the potential for development hybrid wind-wave projects in the European nearshore*. Energy & Environment (Energy Environ), 1-18 (I.F: **0.302/2016**)
<http://journals.sagepub.com/doi/abs/10.1177/0958305X17716947>
2. Rusu L, **Onea F**, 2017. *The performances of some state of the art wave energy converters in locations with the worldwide highest wave power*. Renewable & Sustainable Energy Reviews, 75, 1348-1362 (I.F: **8.05/2016**).
<http://www.sciencedirect.com/science/article/pii/S1364032116308838>
3. **Onea F**, Deleanu L, Rusu L, Georgescu C, 2016. *Evaluation of the wind energy potential along the Mediterranean Sea coasts*. ENERGY EXPLORATION & EXPLOITATION, 34 (5), 766-792 (I.F: **0.963/2016**).
<http://eea.sagepub.com/content/34/5/766.abstract>
4. 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 (I.F: **5.589/2016**).
<http://www.sciencedirect.com/science/article/pii/S0196890416300449>
5. **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, 34 (2), 217-234 (I.F: **0.963/2016**).
<http://eea.sagepub.com/content/34/2/217.full.pdf?ikey=DQWiwJbYkbWrTga&keytype=finite>
6. **Onea F**, Rusu E, 2016. *The expected efficiency and coastal impact of a hybrid energy farm operating in the Portuguese nearshore*. Energy, 97, 411-423 (I.F: **4.52/2016**) <http://www.sciencedirect.com/science/article/pii/S0360544216000128>
7. 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 (I.F: **4.357/2016**). <http://www.sciencedirect.com/science/article/pii/S0960148115301385>
8. **Onea F**, Raileanu A, Rusu E, 2015. *Evaluation of the wind energy potential in the coastal environment of two enclosed seas*. Advances in Meteorology. Article Number: 808617, 14 pages, doi:10.1155/2015/808617 (I.F: **1.277/2016**).
<http://www.hindawi.com/journals/amate/aip/808617/>
9. Rusu L, **Onea F**, 2015. *Assessment of the performances of various wave energy converters along the European continental coasts*. Energy, 82, 889-904 (I.F: **4.52/2016**). <http://www.sciencedirect.com/science/article/pii/S0360544215001231>

10. Zanopol AT, **Onea F**, Rusu E, 2014. *Coastal impact assessment of a generic wave farm operating in the Romanian nearshore*. Energy, 72, 652-670 (I.F: **4.52/2016**) <http://www.sciencedirect.com/science/article/pii/S0360544214006604>
11. **Onea F**, Rusu E. 2014. *An evaluation of the wind energy in the north-west of the Black Sea*. International Journal of Green Energy, 11 (5), 465-487 (I.F: **1.601/2015**) <http://dx.doi.org/10.1080/15435075.2013.773513>
12. Zanopol AT, **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 (JEPE), 15 (2), 597-605 (I.F: **0.734/2015**) <http://www.jepe-journal.info/>
13. **Onea F**, Rusu E. 2014. *Wind energy assessments along the Black Sea basin*. Meteorological Applications, 21(2), 316-329 (I.F: **1.273/2015**) <http://onlinelibrary.wiley.com/doi/10.1002/met.1337/abstract>
14. Rusu E, **Onea F**. 2013. *Evaluation of the wind and wave energy in the Caspian Sea*. Energy, 50, 1-14 (I.F: **4.52/2016**) <http://dx.doi.org/10.1016/j.energy.2012.11.044>

B - Proceeding-uri ISI (8 lucr ri)

1. Rusu E, **Onea F**, 2017. *Hybrid solutions for energy extraction in coastal environment*. 2nd International Conference on Advances on Clean Energy Research, ICACER 2017, 7-9 April 2017, Berlin, Germany. <http://www.icacer.com/index.html>.
2. Raileanu A, **Onea F**, Rusu E, 2016. *Spatial and seasonal variations of the environmental conditions along the Black Sea shipping routes*. International Multidisciplinary Scientific GeoConferences SGEM, 28 June - 7 July 2016 Albena, Bulgaria. Issue 3 (2), pp. 829-836. <http://www.sgem.org/sgemlib/spip.php?article7983>
3. **Onea F**, Raileanu A, Rusu E, 2016. *Evaluation of the wave energy potential in some locations where European offshore wind farms operate*. MARTECH 2016 - 3rd International Conference on Maritime Technology and Engineering 4 - 6 July 2016 Lisbon, Portugal. In book: Maritime Technology and Engineering 3 – Chapter: Evaluation of the wave energy potential in some locations where European offshore wind farms operate, Publisher: Taylor & Francis Group, London, Editors: Guedes Soares & Santos, pp.1119-1124. <http://www.centec.tecnico.ulisboa.pt/martech2016/images/MARTECH2016%20-%20programme.pdf>
4. **Onea F**, Rusu L, 2015. *Coastal impact of a hybrid marine farm operating close to Sardinia Island*. OCEANS'15 MTS/IEEE GENOVA 18-21 May 2015 Genova, Italy <http://ieeexplore.ieee.org/xpl/articleDetails.jsp?amumber=7271249&queryText=onea%20florin&newsearch=true>
5. Raileanu A, **Onea F**, Rusu E, 2015. *Assesment of the wind energy potential in the coastal environment of two enclosed seas*. OCEANS'15 MTS/IEEE GENOVA 18-21 May 2015 Genova, Italy <http://ieeexplore.ieee.org/xpl/articleDetails.jsp?reload=true&amumber=7271248&queryText=onea%20florin&newsearch=true>
6. Raileanu A, **Onea F**, Rusu E, 2015. *Evaluation of the offshore wind resources in the European seas based on satellite measurements*. 15th International Multidisciplinary Scientific Geoconference (SGEM) Location: Albena, BULGARIA Date: 18-24 June; 227-234, 2015 <http://www.sgemsocial.org/index.php/sgem-social-deadlines/sgem-social-schedule-programme-2015/sgem-social-deadlines-publish>
7. Zanopol AT, **Onea F**, Rusu E, 2014. *Longshore curenets evaluation along the Romanian Black Sea coast*. 14th International Multidisciplinary Scientific Geoconference (SGEM) Location: Albena, BULGARIA Date: 17-26 June, vol. 2, 637-644 2014 <http://sgem.org/sgemlib/spip.php?article4530>
8. Zanopol AT, **Onea F**, Rusu E, 2014. *Wave farms influence on the Mangalia nearshore wave pattern*. 14th International Multidisciplinary Scientific Geoconference (SGEM) Location: Albena, BULGARIA Date: 17-26 June, vol. 1, 621-628, 2014 <http://sgem.org/sgemlib/spip.php?article4700>

C - PARTICIP RI LA CONFERIN E INTERNA IONALE (15 lucr ri)

1. Raileanu A, **Onea F**, Rusu E, 2015. *Evaluation of the offshore wind energy potential in the Romanian coastal environment at the Black Sea*. Presented at The international symposium Protection of the Black Sea ecosystem and sustainable management of maritime activities - PROMARE 2015, http://www.mareframe-fp7.org/ue_31.html, to be published in Cercetari Marine / Marines Reserches" vol. 46/2016, <http://www.rmri.ro/Home/Publications.RecherchesMarines.html> (**Premiul III - cea mai bun prezentare oral**).
2. Ivan A, Raileanu A, **Onea F**, Rusu E, 2015. *Studies concerning the coastal impact of an offshore wind farm operating in the vicinity of the Danube Delta*. Presented at The international symposium Protection of the Black Sea ecosystem and sustainable management of maritime activities - PROMARE 2015, http://www.mareframe-fp7.org/ue_31.html, to be published in Cercetari Marine / Marines Reserches" vol. 45/2015, <http://www.rmri.ro/Home/Publications.RecherchesMarines.html> (**Premiul III - cea mai bun prezentare poster**).

3. **Onea F**, Raileanu A, Rusu E, 2015. *Evaluation of the general wind conditions in the Black and the Caspian seas*. International Conference – 2015 Environmental Issues in Terms of Ecology and Its Protection May 6-7, 2015, Galati, Romania.
4. Rusu L, **Onea F**, 2015. *Shoreline effects of a wind-wave farm operating in the coastal environment of the Mediterranean Sea*. Environmental Issues in Terms of Ecology and Its Protection May 6-7, 2015, Galati, Romania.
5. Zanol AT, **Onea F**, 2014. *Coastal impact of a Wave Dragon farm operating in the Mamaia sector*. Poster presentation at the Scientific Conference organised by the Doctoral Schools of "Dunarea de Jos" University of Galati (CSSD-UDJG 2015), 15-16 May 2014 Galati, Romania (**Premiul III**) http://www.cssd-udjg.ugal.ro/site/2014/resources/Book_of_Abstracts_2014.pdf
6. **Onea F**, Rusu E, 2014. *Studies concerning the renewable energy extraction from the Romanian nearshore areas*. UGALINVENT 8-10 October, organised by the "Dunarea de Jos" University of Galati, Romania, 184 -185. http://www.invent.ugal.ro/docs/CATALOG_UGAL_INVENT_2014.pdf
7. Zanol AT, **Onea F**, Rusu E, 2014. *Evaluation of the coastal Influence of a generic wave farm operating in the Romanian nearshore*. Poster la International Conference AQUALIRES 2014: New tools for sustainable management of aquatic living resources, 17-18 January 2014, Bucharest Romania. <http://aqualires.incdpm.ro/images/AGENDA.pdf>
8. Zanol AT, **Onea F**, Rusu E, 2013. *The wave field conditions in the presence of a hybrid wave-wind farm located in the Romanian nearshore*. The International Symposium: "Protection and Sustainable Management of the Black Sea Ecosystem, Third Millennium Imperative", Sixth Edition, 31 October 2013, Constanta, Romania. http://www.blacksea-commission.org/Downloads/BS-GES-2013-Conference_Program_18.10.pdf
9. Rusu E, **Onea F**, 2012. *Wave Energy Evaluations in Enclosed Seas*. 8th International Conference on Energy, Environment, Ecosystems and Sustainable Development (EEESD'12), 2-4 May, Faro, Portugal, 19-25. <http://www.wseas.us/e-library/conferences/2012/Algarve/EEESD/EEESD-01.pdf>
10. **Onea F**, Rusu E, 2012. *Evaluation of the Wind Energy Resources in the Black Sea Area*. 8th International Conference on Energy, Environment, Ecosystems and Sustainable Development (EEESD'12), 2-4 May, Faro, Portugal, 26-32. <http://www.wseas.us/e-library/conferences/2012/Algarve/EEESD/EEESD-02.pdf>
11. **Onea F**, Rusu E, 2011. *Wave energy patterns in the Black Sea evaluated with satellite data and numerical models*, Research Quality In Doctoral School Increased Industrial and International Visibility, 13–14 July 2011 Gala i, România. <http://www.phd-expert.ugal.ro/SiteWorkshop2011/>
12. Butunoiu D, **Onea F**, Rusu E, 2011. *Wave modeling to support harbor operations*. Research Quality In Doctoral School Increased Industrial and International Visibility, 13 – 14 July 2011 Galati, Romania. <http://www.phd-expert.ugal.ro/SiteWorkshop2011/>
13. **Onea F**, Rusu, E, 2010. *Assessment of the Wave Energy Resources in the Black Sea Basin*. European Dimensions of the Doctoral Programmes, 22-23 July Galati, Romania. http://www.phd-expert.ugal.ro/SiteWorkshop/new_page_4.htm
14. **Onea F**, Rusu E. Strat I, 2010. *Evaluation of the wave energy potential in the Black Sea using remotely data*. Tenth International Conference on Marine Sciences and Technologies - BLACKSEA2010, 7-9 October, Varna, Bulgaria, 375-380.
15. Rusu E, **Onea F**, 2010. *Assessment of the spatial distribution of the wave energy in the Black Sea with numerical models*. Tenth International Conference on Marine Sciences and Technologies - BLACKSEA2010, 7-9 October, Varna, Bulgaria, 388-393.

D - ARTICOLE BDI (16 lucr ri)

1. **Onea F**, Rusu E, 2016. *Coastal protections provided by energy farms in the Romanian nearshore*. Mechanical Testing and Diagnosis, 2, 5-14. http://www.im.ugal.ro/mtd/download/2016-2/1%20MTD_2016_Volume%202_Onea%20xx.pdf
2. **Onea F**, Raileanu A, Rusu E, 2016. *Analysis of the extreme wind and wave conditions in the Black Sea as reflected by the altimeter measurements*. Mechanical Testing and Diagnosis, 1, 5-12. http://www.om.ugal.ro/mtd/download/2016-1/1%20MTD_2016_Volume%201_Onea.pdf
3. **Onea F**, Rusu E, 2015. *Analysis of some numerical simulations related to a hybrid wave energy converter*. Annals of "Dunarea De Jos" University of Galati Mathematics, Physics, Theoretical Mechanics Fascicle II, YEAR V(XXXVI), 1, 46-53 http://www.phys.ugal.ro/Annals_Fascicle_2/Year2015/Vol1.htm. *Presented at the Scientific Conference organised by the Doctoral Schools of "Dunarea de Jos" University of Galati (CSSD-UDJG 2015), 4-5 June 2015 Galati, Romania. <http://www.cssd-udjg.ugal.ro/index.php/abstracts>
4. Zanol AT, **Onea F**, Rusu E, 2014. *Studies concerning the influence of the wave farms on the nearshore processes*. International Journal of Geosciences 5, 728-738. <http://dx.doi.org/10.4236/ijg.2014.57065>

5. Zanol AT, **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>
6. Zanol AT, **Onea F**, Raileanu A, 2014. *Coastal impact simulation of a Wave Dragon farm operating in the nearshore of Mangalia*. Constanta Maritime University Annals, 21 (I), 65-70. <http://www.cmu-edu.eu/anale/anale/2014-vol21/2014-an%2015%20vol%2021.pdf>
7. Zanol AT, **Onea F**, Rusu L, 2014. *Experimental results to evaluate the wave and currents conditions in the Romanian nearshore*. Constanta Maritime University Annals, 21(I), 71-76. <http://www.cmu-edu.eu/anale/anale/2014-vol21/2014-an%2015%20vol%2021.pdf>
8. Zanol AT, **Onea F**, Rusu L, 2013. *Evolution of the Romanian nearshore currents under the influence of WEC farms*. Mechanical Testing and Diagnosis, 4, 13-20. <http://www.om.ugal.ro/Mtd/issue2013-4.htm>
9. Zanol AT, **Onea F**, 2013. *Coastal influence of a Pelamis wave farm operating in the nearshore of Mamaia*. Mechanical Testing and Diagnosis, 3, 5-14, <http://www.om.ugal.ro/Mtd/issue2013-3.htm>
10. **Onea F**, Rusu L, 2013. *Influence of a hybrid wave-wind farm on the Romanian coastal area*. Annals of "Dunarea De Jos" University of Galati Mathematics, Physics, Theoretical Mechanics Fascicle II, YEAR V(XXXVI), 2, 146-152, 2013. http://www.phys.ugal.ro/Annals_Fascicle_2/Year2013/Annals%202013%20volume%20II.htm. Presented at the First International Conference Danube - Black Sea 3E - Energy, Environment & Efficiency, 18-21 September, Galati, Romania.
11. **Onea F**, Rusu E. 2013. *A general perspective of the wave conditions from the Black Sea basin, reflected by satellite and in situ measurements*. Annals of "Dunarea De Jos" University of Galati Mathematics, Physics, Theoretical Mechanics Fascicle II, YEAR V(XXXVI), 2, pp. 216-222, 2013. http://www.phys.ugal.ro/Annals_Fascicle_2/Year2013/Annals%202013%20volume%20II.htm. Presented at the First International Conference Danube - Black Sea 3E - Energy, Environment & Efficiency, 18-21 September, Galati, Romania.
12. Zanol AT, **Onea F**. 2013. *Assesment of the wind energy potential from the Black Sea area with satellite data*. Annals of "Dunarea De Jos" University of Galati Mathematics, Physics, Theoretical Mechanics Fascicle II, YEAR V(XXXVI), 2, 185-191, http://www.phys.ugal.ro/Annals_Fascicle_2/Year2013/Annals%202013%20volume%20II.htm
13. 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, 1(2), <http://www.ijem.com/images/February-2013/24.pdf>
14. **Onea F**, Diaconu S, Rusu E. 2013. *Evaluation of the environmental conditions in the vicinity of the Romanian ports at the Black Sea*. Constanta Maritime University Annals, vol. 19, 143-150. http://www.cmu-edu.eu/anale/anale/2013-vol19/Abstract_Anale_vol%2019_2013.pdf
15. **Onea F**, Rusu E, Bernardino M, 2010. *Overview of wave and wind climate in the Romanian nearshore using satellite data*. Annals of "Dunarea De Jos" University of Galati, Fascicle X, Applied Mechanics, Issue 2, 57-65. <http://www.mrm.ugal.ro/Annals201012.htm>
16. **Onea F**, Rusu E, Bernardino M, 2010. *Renewable energy solutions in marine environment*. Annals of "Dunarea De Jos" University of Galati, Fascicle X, Applied Mechanics, Issue1, 45-52. <http://www.mrm.ugal.ro/Annals2010.htm>

E - C R I SAU CAPITOLE DE CARTE (2 lucr ri)

1. Rusu L, Raileanu A, **Onea F**. 2016. *Asimilarea de date cu aplica ii la predic ia climatului de val în bazinul M rii Negre*. Editura Zigotto Gala i, ISBN 978-606-669-182-6, 300 p.
2. Rusu E, **Onea F**, Toderascu R. 2011. *The Black Sea: Dynamics, Ecology and Conservation, Ch. Dynamics of the environmental matrix in the Black Sea as reflected by recent measurements and simulations with numerical models*. Nova Science Publishers, Inc, New York. https://www.novapublishers.com/catalog/product_info.php?products_id=15888 (indexat SCOPUS).

F – PROIECTE DE CERCETARE (1 proiect)

1. REMARC (2017-prezent) - Extragerea energiei refolosibile în mediul marin i impactul ei costier (Cod proiect: PN-III-P4-ID-PCE 2016-0017). <https://www.researchgate.net/project/REMAR-REnewable-ENERgy-extraction-in-MARine-environment-and-its-Coastal-impact>

29. 08. 2017