

## Anexa VII Lista lucrari reprezentative doctoranzi care au sustinut teza in ultimii 5 ani

Conducător Prof. dr. ing. Paul BOCĂNETE

1. **Rodica-Ionela, Ticu**; Paul, Bocanete; Alina, Ion - The Drag Reduction By Diminishing The Coefficient Of Friction Between The Water And The Hull, By Blowing Air Under The Ship., *Analele Universitatii Maritime Constanta*. 2013, Vol. 14 Issue 20, p111-114. 4p, <https://www.worldcat.org/title/analele-universitatii-maritime-constant/oclc/839842053>
2. **Mahran Dawwa**, Paul Bocănete - A CFD Study on the Effect of Injection Parameters on the Formation of NOx Emissions in Diesel Engines, *Journal al Marine Technology and Environment* 2015, vol.1, pp 29-32, Constanta Maritime University, ISSN: 1844-6116, <http://www2.cmu-edu.eu/jmte/wp-content/uploads/sites/2/2016/03/JMTE-Vol.-1.-2016.pdf>
3. **Sarim Zaidi**, Marian Ristea, Paul Bocanete - Prediction of the Towing Force Generated by a Kite Attached to a KVLCC2 Tanker Model, 14th GEOCONFERENCE ON WATER RESOURCES. FOREST, MARINE AND OCEAN ECOSYSTEMS VOLUME: 2, ISBN 978-619- 7105-14-8 / ISSN 1314-2704, DOI: 10.5593/sgem2014B32, Section: Soils, Section: Forest Ecosystems, Section: Marine and Ocean Ecosystems, [https://www.researchgate.net/publication/290872946\\_Prediction\\_of\\_the\\_towing\\_force\\_generated\\_by\\_a\\_kite\\_attached\\_to\\_a\\_KVLCC2\\_tanker\\_model](https://www.researchgate.net/publication/290872946_Prediction_of_the_towing_force_generated_by_a_kite_attached_to_a_KVLCC2_tanker_model)
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5. **Camelia-Gabriela, Bus** ; Marius-Aurel, Costea ; Paul, Bocanete; Miltiade, Carlan - Gain Practice Maintenance Evaluation For A Naval Boiler, *Analele Universitatii Maritime Constanta*. 2013, Vol. 14 Issue 20, p57-62. 6p, [https://www.researchgate.net/publication/261440589\\_GAIN\\_PRACTICE\\_MAINTENANCE\\_EVALUATION\\_FOR\\_A\\_NAVAL\\_BOILER](https://www.researchgate.net/publication/261440589_GAIN_PRACTICE_MAINTENANCE_EVALUATION_FOR_A_NAVAL_BOILER)
6. **Cristian Ancuta**, Costel Stanca, Cristian Andrei & Nicoleta Acomi, *Behavior Analysis Of Container Ship In Maritime Accident In, Order To Redefine The Operating Criteria*, ModTech International Conference 2017 Modern Technologies in Industrial Engineering June 14-17, Sibiu, Roman, <http://iopscience.iop.org/article/10.1088/1757-899X/227/1/012004>
7. **Cristea Ion** - Metodologie de cercetare în domeniul schimbărilor tehnologice. Studiu de caz - Compania Națională Administrația Canalelor Navigabile Constanța, *Consferinta Stiintifica internatonala, Economie si Globalizare*, Ed. a VI-a, 12-13

8. **Alina Ion** - Static analysis of the hull plate using the finite element method, [IOP Conference Series: Materials Science and Engineering, Volume 95, conference 1](http://iopscience.iop.org/article/10.1088/1757-899X/95/1/012041), <http://iopscience.iop.org/article/10.1088/1757-899X/95/1/012041>
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#### Conducător Prof. dr. ing Nicolae BUZBUCHI

1. Mărtinaș, G., Cupșa, O. S., Buzbuchi, N., Arsenie, A., "*Modeling with finite volume the combustion in direct injection natural gas engine using non-premixed combustion model*", International Conference on the Innovative Computing Technology (INCTECH), Galicia, Spain, May 20-22, 2015, WOS: 000380450300026  
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2. Jenaru (Arsenie), A., Acomi, N., "Numerical methods for assessment of the ship's pollutant emissions", International Conference on Modern Technologies in Industrial Engineering IV (ModTech), IOP Conference Series-Materials Science and Engineering, DOI: 10.1088/1757-899X/145/8/082015, Published: 2016  
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#### Conducător Prof. dr. ing. Mihael CHIRCOR

1. **Cosmin-Laurențiu Dumitrache**; Ramona Dumitrache; Costel Stanca; Cristian Andrei; Cristian Ancușă, "Calculation Of Naval Collisions With General Use Finite Element Software", ModTech 2018, Journal IOP Conference Series: Material Science and Engineering, Volume 400, Published 08/2018, Romania

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**Conducător Prof. dr. ing. Dumitru DINU**

1. Romeo Boșneagu, **Ionuț C. Scurtu**, Petrică Popov, Răzvan-Doru Mateescu, Lucian Dumitrache, Maria-Emanuela Mihailov, *Simulation on marine currents at Midia Cape-Constanta area using computational fluid dynamics method*, THERMAL SCIENCE, ISSN: 0354-9836, volume 22, Supplement 2, 2018, <https://doi.org/10.2298/TSCI170508247B>

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3. **Ionuț-Cristian Scurtu** and Valentin Oncica, *Combined CFX and Structural Simulation for Bow Thrusters Loading under Operating Conditions*, 2018, Conference Resort 2018, IOP Publishing, IOP Conf. Series: Journal of Physics: Conf. Series 1122 (2018) 012024 <https://doi.org/10.1088/1742-6596/1122/1/012024>

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4. Tamara Stanciu, Anca Constantin, Theoretical and experimental study of turbulent gas flow through a pneumatic mechanism, 18th International Multidisciplinary Scientific GeoConference SGEM 30.06 – 09.07.2018, Marine and Ocean Ecosystems Albena Bulgaria.

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6. Andrei Preda, Lelia Letitia Popescu , Razvan Stefan Popescu **Increasing comfort in a building using thermography** - Conferinta : Atom-N 2018 , 23-26 August 2018. Constanta, Romania.

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#### **Participări manifestări internaționale doctoranzi care si-au încheiat studiile doctorale**

1. Martinas George *Cavitation of a Propeller and Influence of a Wake Equalizing Duct*, 11<sup>th</sup> International Conference on Marine navigation and safety of sea transportation, **Transnav 2015** Best Paper Award, Gdynia, Polonia, ISSN 2083-6473
2. G Martinas, O S Cupsa, L C Stan and A Arsenie *Cold flow simulation of an internal combustion engine with vertical valves using layering approach*, Modern Technologies in Industrial Engineering (ModTech2015)
3. George MARTINAȘ, Ovidiu Sorin CUPSA, Nicolae BUZBUCHI **COLD FLOW SIMULATION OF AN INTERNAL COMBUSTION ENGINES WITH CANTED VALVES FOR TUG BOATS USING HYBRID APPROACH** *18th International Conference on Ships and Shipping Research 2015*.
4. Romeo Boșneagu, **Ionuț C. Scurtu**, Petrică Popov, Răzvan-Doru Mateescu, Lucian Dumitrache, Maria-Emanuela Mihailov, *Simulation on marine currents at Midia Cape-Constanta area using computational fluid dynamics method*, THERMAL SCIENCE.
5. **Ionuț Cristian Scurtu**, Cătălin Clinei and Adrian Popa, *Water interference effect on ship due to square shaped object shielding*, 4th International Scientific Conference SEA-CONF 2018

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8. **Cristian Ancuta**, Costel Stanca, Cristian Andrei & Nicoleta Acomi, *Behavior Analysis Of Container Ship In Maritime Accident In, Order To Redefine The Operating Criteria*, ModTech International Conference 2017 Modern Technologies in Industrial Engineering June 14-17, Sibiu, Roman
9. **Alina Ion** - Static analysis of the hull plate using the finite element method, IOP Conference Series: Materials Science and Engineering.
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12. **Tamara Stanciu**, Anca Constantin, Theoretical and experimental study of turbulent gas flow through a pneumatic mechanism, 18th International Multidisciplinary Scientific GeoConference SGEM 30.06 – 09.07.2018, Marine and Ocean Ecosystems Albena Bulgaria.
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14. **Scurtu I.C.**- *Manufacturing and design of the offshore structure Froude scale model related to basin restrictions*, Paper ID: A-30, Modtech Conference 2015, The Third International Conference on Modern Manufacturing Technologies in Industrial Engineering, June 17-20, 2015 Mamaia, Romania.
15. **Scurtu I.C** , Dinu D. *Semisubmersible Designs Compared According to RAO Criterion* , 5th European Conference of Mechanical Engineering (ECME' 14) Florence, Italy, November 22-24, 2014.
16. **Scurtu I.C.**- *Use of CFD/CAE in economical offshore projects*, The 3rd edition of the International Conference CCI3 organized by „Petru Maior” University Tîrgu Mureș, Romania.
17. Katona C, Panaitescu V., **Scurtu I.C.**, *Optimal parametric rudder shape based on numerical analysis using commercial software CFX*, CIEM Conference, 7th International Conference on Energy and Environment, Iasi, Romania, ISSN 1223-7027.
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19. **Scurtu I.C.,** A. Popa, M. Ristea, D. Marasescu, Seakeeping analysis of semisubmersibles in irregular waves, The 2nd International Scientific Conference SEA-CONF 2016.
20. **Cosmin-Laurențiu Dumitrache s.a.** Resistance Calculation of a Composite Material Structure for Leisure Crafts using Finite Element Method, Mod Tech, Romania, June 2018.
21. SEA - CONF 2018 4<sup>th</sup> International Conference, Naval Academy, Constanța, Romania, 18 – 19.05.2018, SR PhD student eng. **Tamara Stanciu**, Aspects regarding maintenance of climate inside the hyperbaric chamber of the diving Center.
22. The International Symposium Protection of the Black Sea Ecosystem and Sustainable Management of Maritime activities PROMARE 2017, 8th edition, 7-9 september 2017, INCDM Grigore Antipa, Constanta, Romania, SR PhD student eng. **Tamara Stanciu**, Lecturer PhD eng. Andrei Scupi, Prof. PhD eng. Dumitru Dinu, Solving the problems of gas flow external resistance through the breathing apparatus of divers using Computational Fluid Dynamics.
23. 15<sup>th</sup> International Multidisciplinary Scientific GeoConference SGEM 18 – 24 iunie 2015, Marine and Ocean Ecosystems Albena Bulgaria, Assoc. Prof. PhD eng. Anca Constantin, SR PhD student eng. **Tamara Stanciu**, Experimental determination of breathing volume flow rate in simulated subsea environment și Thermic transfers during saturation dive.
24. 13<sup>th</sup> International Multidisciplinary Scientific GeoConference SGEM 16 – 22 iunie 2013, Marine and Ocean Ecosystems Albena Bulgaria, Assoc. Prof. PhD eng. Anca Constantin, SR eng. **Tamara Stanciu**, Transient heat transfer in subsea hyperbaric environment.