

Listă de lucrări

Portofoliul de lucrări relevante

Emil Oanță, Alexandra Niță, “An Original Method to Compute the Stresses in Applied Elasticity”, Journal of Optoelectronics and Advanced Materials - Rapid Communications (OAM-RC), Editor in-chief: Prof. Dr. Mihai A. Popescu, ISSN: Print: 1842-6573, Impact factor 0.224, Vol. 3, No. 11, November 2009, pp. 1226-1230.

Alexandra Niță, Emil Oanță, “Multidisciplinary Studies Regarding the Residual Stress Minimization in Polymeric Injected Parts”, Revista 'Materiale Plastice', ISSN 0025/5289, Vol. 47, nr. 1, Martie 2010, pp. 69-73 (autor correspondent).

Emil Oanta, Cornel Panait, “Aspects Regarding the Hybrid Models in Engineering”, Invited Lecture, Proceedings of the ModTech2013 International Conference – “Advanced Materials Research”, 27-29 June 2013, Sinaia, Romania, Vol. Modern Technologies in Industrial Engineering – TRANS TECH PUBLICATIONS, ISBN-978-3-03785-929-2, Advanced Material Research Vol. 837, (2014) 99 141-146, (2014) Trans Tech Publications, Switzerland, doi:10.4028/www.scientific.net/AMR.837.141.

Emil Oanta, Cornel Panait, Gheorghe Lazaroiu, Anca-Elena Dascalescu, “Computer Aided Instrument to Be Used as an Automatic Design Component”, ModTech2014 International Conference, 13-16 July 2014, Gliwice, Poland, Scientific.Net Publications, Vol 1036 of Advanced Materials Research, pp 1017-1022, ISSN 102-660, ISBN-13: 978-3-03835-255-6, doi: 10.4028/www.scientific.net/AMR.1036.1017.

Emil Oanta, Eliodor Constantinescu, Alexandra Raicu, Tiberiu Axinte, “Analytic General Solution Employed to Calculate the Geometrical Characteristics in Structural Problems”, ModTech2014 International Conference, 13-16 July 2014, Gliwice, Poland, Scientific.Net Publications, Vol 1036 of Advanced Materials Research, pp 697-702, ISSN 102-660, ISBN-13: 978-3-03835-255-6, doi: 10.4028/www.scientific.net/AMR.1036.697.

Emil M. Oanta, Cornel Panait, Gheorghe Lazaroiu, Alexandra Raicu, Tiberiu Axinte, Anca-Elena Dascalescu, “Conceiving a hybrid model of a weighting device”, Proc. SPIE 9258, Advanced Topics in Optoelectronics, Microelectronics, and Nanotechnologies VII, 925829 (February 21, 2015); doi:10.1117/12.2069927; <http://dx.doi.org/10.1117/12.2069927>.

Emil M. Oanta, Cornel Panait, Mihaela Barhalescu, Adrian Sabau, Constantin Dumitrache, Anca-Elena Dascalescu, “Original computer method for the experimental data processing in photoelasticity”, Proc. SPIE 9258, Advanced Topics in Optoelectronics, Microelectronics, and Nanotechnologies VII, 92582A (February 21, 2015); doi:10.1117/12.2070409; <http://dx.doi.org/10.1117/12.2070409>.

Emil M. Oanta; Cornel Panait and Alexandra Raicu, “Original data preprocessor for Femap/Nastran”, Proc. SPIE 10010, Advanced Topics in Optoelectronics, Microelectronics, and Nanotechnologies VIII, 100102O (December 14, 2016); doi:10.1117/12.2243000; <http://dx.doi.org/10.1117/12.2243000>.

Emil M. Oanta, Anca-Elena Dascalescu, Adrian Sabau, "Original analytical model of the hydrodynamic loads applied on the half-bridge of a circular settling tank", Proc. SPIE 10010, Advanced Topics in Optoelectronics, Microelectronics, and Nanotechnologies VIII, 100102Q (December 14, 2016); doi:10.1117/12.2243009; <http://dx.doi.org/10.1117/12.2243009>.

Oanta M. Emil, Anca-Elena Dascalescu, "Load Case Scenarios Using a Finite Element Model of a Rotating Half Bridge Belonging to a Settling Tank", Constanta Maritime University Annals, 2016, Year XVII, Vol. 25, pp. 101-106, ISSN 1582-3601.

Emil Oanta, Cornel Panait, Alexandra Raicu, Mihaela Barhalescu, Tiberiu Axinte, "Calculus domains modelled using an original bool algebra based on polygons", ModTech International Conference - Modern Technologies in Industrial Engineering IV (2016), IOP Conference Series: Materials Science and Engineering, Volume 145, New Materials and Modern Technologies in Marine Engineering, doi:10.1088/1757-899X/145/8/082011.

Eliodor Constantinescu, Emil Oanță, Cornel Panait, "Deducing the form factors for shear used in the calculus of the displacements based on strain energy methods. Mathematical approach for currently used shapes", ModTech International Conference - Modern Technologies in Industrial Engineering IV (2017), IOP Conference Series: Materials Science and Engineering, Volume 227, New Materials and Modern Technologies in Marine Engineering, doi:10.1088/1757-899X/227/1/012031 (autor correspondent).

Alexandra Raicu, Emil Oanță, Adrian Sabău, "Making objective decisions in mechanical engineering problems", ModTech International Conference - Modern Technologies in Industrial Engineering IV (2017), IOP Conference Series: Materials Science and Engineering, Volume 227, New Materials and Modern Technologies in Marine Engineering, doi:10.1088/1757-899X/227/1/012108.

Emil Oanță, Răzvan Tamaș, Alin Dănișor, "Experimental data filtration algorithm", ModTech International Conference - Modern Technologies in Industrial Engineering IV (2017), IOP Conference Series: Materials Science and Engineering, Volume 227, New Materials and Modern Technologies in Marine Engineering, doi:10.1088/1757-899X/227/1/012083.

Emil M. Oanță, Victor Hreniuc, Python Brice, "Analytical Model of a Bulb Flat", ACME International Conference - The 8th International Conference on Advanced Concepts in Mechanical Engineering, June 07-08, 2018, Iasi, Romania.

Emil M. Oanta, Razvan Tamas, Mirel Paun, "General Solving Concepts in Models' Design", ATOM-N 2018 International Conference, 23-26 August, 2018, Constanța, Romania.

Emil M. Oanta, Alexandru Pescaru, Gheorghe Lazaroiu, "General Data Structure for the Dynamic Memory Allocation in the Development of the Computer Based Models in Engineering", ATOM-N 2018 International Conference, 23-26 August, 2018, Constanța, Romania.

Pyton Brice, Alex Hreniuc, Victor-Coriolan Hreniuc, Emil M Oanță, "Discretization method of the ship hull cross sections", ModTech2018 International Conference - Modern Technologies in Industrial Engineering, June 13-16, 2018, Constanța, Romania (autor correspondent).

Emil M Oanță, Adrian Sabău, Mihaela Bărhălescu, "Calculus of the geometrical characteristics of the sections using CAD/CAE commercial applications", ModTech2018

International Conference - Modern Technologies in Industrial Engineering, June 13-16, 2018, Constanța, Romania.

Emil M Oanță, Victor-Coriolan Hreniuc, Constantin-Dănuț Grosu, "Effective method used to create the analytical models of large sets of curves – application for the ship hull body plan", ModTech2018 International Conference - Modern Technologies in Industrial Engineering, June 13-16, 2018, Constanța, Romania.

Alte lucrări științifice - selecție

Buzbuchi Nicolae, Oanță Emil, "Matrix Methods in Studying the Torsional Vibration of the Marine Engines Shafting Systems", Software Reference Manual, National Technical University of Athens Publishing House, Greece, 1996.

Emil Oanta, Bogdan Nicolescu, "A Versatile PC-Based Method for the Processing of the Large Matrices", DETC99/CIE-9059, Proceedings of DETC99: 1999 ASME Design Engineering Technical Conference, September 12-15, 1999, Las Vegas, Nevada, Proceedings the 19th Computers and Information in Engineering ASME Conference, ISBN 9780791819722, Vol 2, paper DETC99/CIE-9059, pp 457-464.

Bogdan Nicolescu, Gabriel Golubovici, Emil M. Oanta, "Multithreading Parallelization of CFD Problems Under Microsoft Windows NT", Proceedings of the ASME Fluid Engineering Division – 1999, 1999 ASME International Mechanical Engineering Congress and Exposition, November 14-19, 1999, Nashville Tennessee, FED-Vol 250, Edited David Stock – Washington State University, pp. 315-318, ISBN 0-7918-1661-3, 9780791816615.

Oanta, E., Taraza, D., "Experimental Investigation of the Strains and Stresses in the Cylinder Block of a Marine Diesel Engine", Paper 2000-01-0520, Proceedings of the SAE 2000 World Congress, Detroit, Michigan, March 6-9, 2000, ISSN 0148-7191, DOI: 10.4271/2000-01-0520, <http://papers.sae.org/2000-01-0520/>.

Emil Oanta, Cristian Dinescu, "Re-Writing of the Differential Operators of the Heat Transfer Equation in an Abstract System of Axes", Annual Scientific Journal of Ovidius University Mechanical Engineering Series, Volume 2, Number 1, 2000.

Emil M. Oanță, "FEM Optimization of the Block of Cylinders of a Naval Internal Combustion Engine", CDM 2001, The III-rd Conference on Dynamics, with international participation, October 18-20, 2001, 'Transilvania' University of Brașov, Pag. 188-192, ISSN 1223-96361.

Oanta E. M., "SYSTHERM 2.0 – Upgraded Version of a Software for the Calculation of the Temperature During an Engine Cycle Using Theoretical and Experimental Approaches", Proceedings of MOTAUTO'02, Volume I "Internal Combustion Engines", Pg 23-26, ISBN 954-90272-7-9, Russe, 29-31 October 2002.

Emil Oanță, Bogdan Nicolescu, "An original approach in the computer aided calculus of the large deflections", Analele Universității Maritime Constanța, România, 2003, Year IV, Vol. 5, pag. 53-58, ISSN 1582-3601.

Oanta Emil, Nicolescu Bogdan, "Comparative Study of the Ring Elements Belonging to an Anchor Chain", 4th International Conference on PhD Students, ISBN 963-661-585-3-o, ISBN 963-661-591-8, University of Miskolc, Hungary, 11-17 August 2003, pag. 181-187.

Oanta Emil, Nicolescu Bogdan, "Computer-aided approaches – a path to the information of synthesis in engineering", Proceedings of the 5th International Conference on Quality, Reliability and Maintenance – QRM2004, ISBN 1-86058-440-3, University of Oxford, 1-2 April 2004, pag. 265-268.

Emil Oanta, "Methods to Generate Random Numbers Employed in the Probabilistic Approaches", Analele Universității Maritime din Constanța, ISSN 1582-3601, Constanta, 2006, Pag. 175-180.

Emil Oanta, "Methods to Test the Random Number Generators Employed in Probabilistic Approaches", Analele Universității Maritime din Constanța, ISSN 1582-3601, Constanta, 2006, Pag. 181-186.

Gavrila Gabriela, Oanta Emil, "Interpolation Methods Applied in Computer Aided Engineering", International Maritime Lecturers' Association, 16th Conference on MET "Safety, Security and Quality Objectives of MET Institutions", 14-17 October 2008, Izmir, Turkey; ISBN 978-975-441-256-7, pag. 537-551; International Maritime Lecturers' Association, 16th Conference on Maritime Education and Training, Izmir, Turkey, October 14-17, 2008, ISBN 978-975-441-256-7.

Emil M Oanta, "On the Path to a Project Management Approach in the Higher Education", European security and defence in the context of the economic and financial crisis; 6th International Conference Strategies XXI, APR 15-16, 2010; ISBN 978-973-663-843-5; Edited by: Frunzeti T & Hanganu M; Sponsor: Carol I Natl Defence Univ, Bucharest, Romania; Accession Number: WOS: 000392673600012; pp 71-76.

Emil Oanță, "Computer Based Instruments in Teaching Strength of Materials", Proceedings of the '6th International Seminar of Quality Management in Higher Education', ISBN: 978-973-662-567-1, pp. 579-582, Organized by: Ministry of Education, Research, Youth and Sports, 'Gheorghe Asachi' Technical University of Iasi, CETEX - Center of Continuing Education and Training, 8-9 July 2010, Tulcea, Romania, Editor: Costache Rusu, ISBN 978-973-662-566-4, ISBN (Volume 1): 978-973-662-567-1, pp. 579-582.

Oanta E., Panait C., Batrinca G., Pescaru A., "Basic Concepts to Design the Software Application of a Computer Based Mechanical Engineering Model", Annals of DAAAM for 2011 & Proceedings of the 22nd International DAAAM Symposium, ISBN 978-3-901509-83-4, ISSN 1726-9679, pp 0505-0506, Editor B[ranko] Katalinic, Published by DAAAM International, Vienna, Austria 2011.

Oanta E., Panait C., Batrinca G., Pescaru, A., "Computer Based Educational Model of the Bent Hull in the Context of the Maritime Education", Annals of DAAAM for 2011 & Proceedings of the 22nd International DAAAM Symposium, ISBN 978-3-901509-83-4, ISSN 1726-9679, pp 0503-0504, Editor B[ranko] Katalinic, Published by DAAAM International, Vienna, Austria 2011.

Oanta E., Panait C., Marina V., Marina V., Lepadatu L., Constantinescu E., Barhalescu M. L., Sabau A., Dumitrache C. L., "Mathematical Composite Models, a Path to Solve Research Complex Problems", Annals of DAAAM for 2011 & Proceedings of the 22nd International DAAAM Symposium, ISBN 978-3-901509-83-4, ISSN 1726-9679, pp 0501-0502, Editor B[ranko] Katalinic, Published by DAAAM International, Vienna, Austria 2011.

Oanta E., Panait C., Barhalescu M. L., Sabau A., Axinte T., "Computer Aided Solution in an Applied Elasticity Educational Case Study - Statically Indeterminate System of Bars", Annals of DAAAM for 2012 & Proceedings of the 23rd International DAAAM Symposium, Zadar, Croatia, Oct 24-27, 2012, ISBN 978-3-901509-91-9, ISSN 2304-1382, pp 0485 - 0488, Editor B[ranko] Katalinic, Published by DAAAM International, Vienna, Austria 2012.

Oanta Emil, "Approximations in structural analytical studies", Constanta Maritime University Annals, 2012, Year XIII, Volume 18, ISSN 1582-3601, pag 129-134.

Emil Oanta, Eliodor Constantinescu, Gheorghe Lazaroiu, Tiberiu Axinte, Anca-Elena Dascalescu, "Ideas Regarding the Mathematical Background of the Analytic Models Based on the Strength of Materials Theory", Constanta Maritime University Annals, 2013, Year XIV, Vol. 20, Pag. 97-102, ISSN 1582-3601.

Emil M. Oanta, Alexandra Raicu, Tiberiu Axinte, Anca-Elena Dascalescu, "Planning of a Strain Gage Experiment for a Large Crane", Constanta Maritime University Annals, 2014, Year XV, Vol. 21, Pag. 105-110, ISSN 1582-3601.

Emil M. Oanta, Gheorghe Lazaroiu, Alexandra Raicu, Tiberiu Axinte, Anca-Elena Dascalescu, "Concepts Regarding the Use of the Experimental Methods for the Weighting of the Rail Mounted Structures", Constanta Maritime University Annals, 2014, Year XV, Vol. 21, Pag. 111-116, ISSN 1582-3601.

Emil M. Oanță, Tiberiu Axinte, Anca-Elena Dăscălescu, "An Original Method to Measure the Elasticity of the Supports using a Shock Loading and the Strain Gage Technology", Constanta Maritime University Annals, 2014, Year XV, Vol. 22, Pag. 71-76, ISSN 1582-3601.

Emil M. Oanta, Cornel Panait, Tiberiu Axinte, Anca-Elena Dascalescu, "Original Digitization Method of the Experimental Mechanics Results Graphically Expressed as Diagrams", Constanta Maritime Annals, 2015, Year XVI, Vol 23, Pag. 67-70, ISSN 1582-3601.

Emil M. Oanta, Alexandra Raicu, Tiberiu Axinte, Anca-Elena Dascalescu, "Technical Review Regarding the Methods to Formulate the Problems of the Factors Which Modify the Endurance Limit", Constanta Maritime Annals, 2015, Year XVI, Vol 23, Pag. 71-76, ISSN 1582-3601.