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Special Issue

Innovative Solutions in Advanced Manufacturing Technologies

Preface

The 10th hybrid edition of ModTech International Conference took place between June 14th-17th, at Ramada Hotel, Mamaia, Romania, being organized by ModTech Professional Association and Constanta Maritime University as the main co-organizers. This edition's co-organizers also included: Technical Sciences Academy of Romania; The Society of Powder Technology of Japan; Silesian University of Technology of Gliwice, Poland; "Alec Russo" University of Balti, Republic of Moldova; the Academy of Sciences of Moldova, Republic of Moldova; "Vasile Alecsandri" University of Bacau, Romania; "Dunarea de Jos" University of Galati, Romania; "Lucian Blaga" University of Sibiu, Romania; "Stefan cel Mare" University of Suceava, Romania and The General Association of Engineers in Romania.

The 10th hybrid edition brought together participants from 23 countries and the main topics were focus on Engineering of Manufacturing Processes, Advanced in Composite Materials and Technologies, Characterization of Mechanical Processes, Robotics and Computer Integrated Manufacturing, Micro and Nano Technologies and Maritime Engineering.

In this special issue of the International Journal of Modern Manufacturing Technologies (IJMMT), forefront research on various aspects of Innovative Solutions in Advanced Manufacturing Technologies is illustrated by selected peer-reviewed papers out of a large number of papers received for the conference. All of the papers submitted to the ModTech2022 International Conference were first subjected to examination by at least two independent reviewers. The papers selected subsequently underwent a second round of peer-reviewing. This special issue of IJMMT contains 50 high quality papers selected upon completion of the reviewers' comments. The articles included in this special issue cover a large spectrum on current research activities of engineering, technologies and materials.

Hopefully the readers will find the articles to their liking, and thus pursue a more thorough investigation of the issues presented.

We are extremely grateful to the contributors as well as the reviewers for their whole cooperation and support.

Last but not least, the editorial committee addresses special thanks to the guest editors for their efforts, professor Maria Eugenia Rabanal Jimenez, professor Hilal Turkoglu Sasmazel and professor Gabriel Radu Frumusanu.

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CONTENT

| | |
|---|----|
| <i>Thermal Characteristics Investigation of Natural Draft Hybrid (Wet/Dry) Cooling Tower</i> | 10 |
| Ali Kadhim Abdullah, Mahdi Saleh Qasim, Mohammed Qasim Ahmed | |
| <i>Thin Nickel Layer Behaviour in Natural Sea Water</i> | 16 |
| Mihaela Luminita Barhalescu, Tudor-Cristian Petrescu, Adrian Sabau | |
| <i>Research on the Compressive Behaviour of Ceramic Composite Material Based on Bentonite</i> | 21 |
| Sorin Butuc (Anghel), Simona Matei, Maria Stoicanescu | |
| <i>Considerations Regarding 3D Modelling and Finite Element Analysis of a Cultivator Type Equipment</i> | 27 |
| Gigel Florin Capatana, Maria Aurora Potirniche, Diana Gina Musca (Anghelache) | |
| <i>CFD Analysis of PEG 400 Based Nanofluids</i> | 33 |
| Elena-Ionela Chereches, Marius Chereches, Liviu Zupcu, Alina Adriana Minea | |
| <i>Three-Dimensional Modelling of Rails / Wheels Manufactured by ER6 and ER7 in Tramway Applications</i> | 38 |
| Elhocine Chiba, Mourad Abdelkrim, Abderrahim Belloufi, Imane Rezgui | |
| <i>Empirical Analysis of Manufacturing Using 5G Architecture</i> | 44 |
| Elisabeta Mihaela Ciortea | |
| <i>A Trustworthy Computation of the Transitory and Stationary Responses for the Ship Rolling by a Modified Multiple Time Scale Method</i> | 49 |
| Dumitru Deleanu, Mihaela Turof, Constantin Luois Dumitrache | |
| <i>Water Centrifugal Pump, Design and Fluid Flow Analysis</i> | 56 |
| Constantin Luois Dumitrache, Dumitru Deleanu | |
| <i>Holonic Digitalization of Manufacturing – the Tool of 4-th Manufacturing Revolution</i> . | 62 |
| Gabriel Frumusanu, Alexandru Epureanu | |
| <i>Analysis of the Statistical Data Generated by an Adaptive Stretch Forming Process</i> | 70 |
| Cosmin Constantin Grigoras, Valentin Zichil, Catalin Drob, Vlad Andrei Ciubotariu | |
| <i>Solar Radiation Simulation Device for Investigation of Thermal and Photovoltaic Panel</i> | 76 |
| Sebastian Valeriu Hudisteanu, Cristian Nelu Chereches, Florin Emilian Turcanu, Nicolae Taranu, Marina Verdes, Ana Diana Ancas, Iuliana Hudisteanu, Dragos Ungureanu, Razvan Andrei Polcovnicu | |
| <i>A Model for Monitoring of the 8D and FMEA Tools Interdependence in the Era of Industry 4.0</i> | 86 |
| Nadia Ionescu, Laurentiu Mihai Ionescu, Nicoleta Rachieru, Alin Gheorghita Mazar | |



| | |
|--|-----|
| <i>Heat Transfer Optimization of an Electronic Control Unit Immersed in Natural Convection Coolant</i> | 92 |
| Cristina Georgiana Lates, Cristina Mihaela Dragan, Catalin Gabriel Dumitras | |
| <i>Study of the Bearing Friction Inside on a Mobile Coupling Joint</i> | 100 |
| Mihai Tiberiu Lates, Cornel Catalin Gavrila | |
| <i>Hierarchical PCA for Formal Group Behaviour Modelling</i> | 105 |
| Raluca-Petronela Lazarescu, Adrian Vilcu | |
| <i>Morphological Details of Strain-Induced Martensite in Cold-Rolled Cr–Ni Steel</i> | 112 |
| Agnieszka Kurc-Lisiecka | |
| <i>Mathematical and Numerical Simulation of the Thermally Hardened Coated Machine Surfaces</i> | 124 |
| Salam J. Bash AlMaliki | |
| <i>Hydrodynamics Performance Prediction of a Full-Scale Ship</i> | 130 |
| Andreea Mandru, Liliana Rusu, Florin Pacuraru | |
| <i>Numerical and Experimental Investigation of a Micro Gas Turbine Combustion Chamber.</i> | 139 |
| Andreea Cristina Mangra, Razvan Carlanescu, Marius Enache, Florin Florean, Radu Kuncser | |
| <i>Thermal Behavior of Coated Bio-Polymers</i> | 146 |
| Alina Marguta, Dumitru Nedelcu, Simona-Nicoleta Mazurchevici | |
| <i>Effects of Vaporization Temperature and Sub Cooling Variation on the Performance of a Vapour Compression Refrigeration Cycle Working with R134a, Met on Newer Ships</i> | 152 |
| Feiza Memet | |
| <i>Psycho-Acoustic Assessment of Violins with Different Anatomical Features of Wood</i> | 158 |
| Mircea Mihalcica, Vasile Gheorghe Gliga, Mihaela Campean, Nicolae Constantin Cretu, Alina Maria Nauncef, Rozina Steigmann | |
| <i>Technological Efficiency by Changing the Crane Equipment</i> | 164 |
| Gina Diana Musca (Anghelache) | |
| <i>Corrosion Resistance of Laser Welded Sheets of Stainless Steel 316L</i> | 171 |
| Aleksander Lisiecki, Agnieszka Kurc-Lisiecka, Santina Topolska | |
| <i>A Study on the MQL Cooling Systems Optimization for Machining</i> | 176 |
| Ionel Olaru | |
| <i>Numerical Simulation for the Motion Response of an Offshore Ahts Ship in Regular and Irregular Waves</i> | 181 |
| Sandita Pacuraru, Leonard Domnisoru, Adham Bekhit | |
| <i>Monitoring and Data Acquisition for a Consumption System Based on Renewable Energies</i> | 191 |
| Fanel-Viorel Panaitescu, Mariana Panaitescu, Daniela-Elena Juganaru | |



| | |
|---|-----|
| <i>Tools for Analysing Operational Optimization in a Container Ship Terminal.....</i> | 198 |
| Mariana Panaitescu, Fanel-Viorel Panaitescu, Robert Alexandru Daineanu, Dumitru Dinu, Mircea Zus | |
| <i>Wind Load Evaluation of Roof Photovoltaic Panels Loaded in the Boundary Layer Wind Tunnel</i> | 205 |
| Razvan Andrei Polcovnicu, Nicolae Taranu, Dragos Ungureanu, Sebastian Valeriu Hudisteanu | |
| <i>Predicting Bankruptcy in Romania Using Artificial Neural Network</i> | 211 |
| Ioan Daniel Pop, Adriana Mihaela Coroiu | |
| <i>Study of the Behaviour for the Work Equipment of a Forklift During the Working Process Using Finite Element Analysis</i> | 219 |
| Maria Aurora Potirniche, Gigel Florin Capatana | |
| <i>Real Time Wave Parameters Monitoring Using a Fixed Coastal Buoy</i> | 227 |
| Raluca Radulescu, Fanel-Viorel Panaitescu, Mariana Panaitescu, Gheorghe Lazaroiu | |
| <i>Cybersecurity Strategies in Industry 4.0.....</i> | 233 |
| Gabriel Raicu, Alexandra Raicu | |
| <i>Propulsion Thrust Force Calculation with Cavitation for an Underwater Vehicle.....</i> | 239 |
| Adrian Sabau, Ion Serbanescu, Remus Zagan | |
| <i>Shear Structural Response of a Prototype Strengthening System Designed for Stone Masonry Panels</i> | 245 |
| Ionut Spiridon, Dorina Nicolina Isopescu, Dragos Ungureanu, Nicolae Taranu, Sergiu Alupoae, Catalin Sbirlea | |
| <i>Medium Size LNG Tanker Lubricating System Heat Exchanger (Cooler) Analysis.....</i> | 251 |
| Liviu-Constantin Stan, Alexandra-Nicoleta Gordes, Adriana-Georgiana Agape | |
| <i>Acoustic and Elastic Properties of Wood for Violin Sound Post.....</i> | 260 |
| Mariana Domnica Stanciu, Adriana Savin, Gabriel-Silviu Dobrescu | |
| <i>Customised Infill Paterns for Streghtened 3D Parts.....</i> | 265 |
| Virgil Gabriel Teodor, Razvan Sebastian Craciun, Georgiana-Alexandra Morosanu | |
| <i>Digital Tester of the DCC Signal Reception Quality</i> | 270 |
| Mircea-Petru Ursu, Dragos Condruz | |
| <i>Novel and Rapid Drying Characterization Test Suitable for the Brick and Tile Industry</i> | 276 |
| Milos Vasic, Milica Vasic, Zagorka Radojevic | |
| <i>The Effect of Use of Unconventional Power Generation Systems on the Safety of Navigation</i> | 282 |
| Mihail-Vlad Vasilescu, Fanel-Viorel Panaitescu, Mariana Panaitescu, Alexandru-Andrei Scupi, Ionut Voicu | |
| <i>Simulation of Risk Minimization in Case of Pollution on Marine Areas.....</i> | 291 |
| Florentina-Aurelia Vasilică, Fanel-Viorel Panaitescu, Mariana Panaitescu, Ionut Voicu, Daniela-Elena Juganaru, Valeriu Nicolae Panaitescu | |



| | |
|---|-----|
| <i>A New PSO-Based Algorithm for an Operational Management Problem.....</i> | 299 |
| Adrian Vilcu, Ionut Herghiligiu, Ion Verzea, Raluca Lazarescu | |
| <i>Analysis of the Intervention of the Military Firefighters to Extinguish the Fire Produced at the Hercules Tugboat</i> | 304 |
| Ionut Voicu, Daniela-Elena Juganaru, Mariana Panaitescu, Fanel-Viorel Panaitescu | |
| <i>Studies and Research Regarding Vulnerabilities of Marine Autonomous Surface Systems (MASS) and Remotely Operated Vessels (ROVs) from Point of View of Cybersecurity.....</i> | 310 |
| Remus Zagan, Gabriel Raicu, Adrian Sabau | |
| <i>Thermoelastic Displacement Due to Transient Surface Heating.....</i> | 319 |
| Delia Cerlinca, Sergiu Spinu | |
| <i>Thermoelastic Displacement and Temperature Rise in a Half-Space Due to A Steady-State Heat Flux.....</i> | 326 |
| Sergiu Spinu | |
| <i>Review of Vegetable Nanolubricants for Tribological Applications</i> | 333 |
| Laura Peña-Parás, Martha Rodríguez-Villalobos, Demófilo Maldonado-Cortés, José Andrés González, Ricardo de Jesús Durán, Javier Ortega | |
| <i>Prediction and Analysis of the Roughness of Milled Surfaces Based on Fuzzy Logic</i> | 344 |
| Mohammed Toufik Amira, Abderrahim Belloufi, Mourad Abdelkrim | |