



4th International Conference on Experimental Solid Mechanics (X-MECH 2018)
February 13-14, 2018, Iran University of Science and Technology, Tehran, Iran

Final Program

February 13, 2018

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| February 13, 2018 | | | | |
| 8:00-8:30 | On-site Registration | | | |
| 8:30-9:30 | Open Ceremony/Welcoming by: 1- Chancellor of Iran University of Science and Technology, Prof. M. Barkhordari 2- Conference Chair, Prof. M. M. Shokrieh 3- Chair of Center of Excellence in Experimental Solid Mechanics and Dynamics, Prof. H. Ahmadian | | | |
| 9:30-10 | Keynote Speaker: Prof. G. H. Majzoobi , <i>Engineering Faculty, Mechanical Engineering Department, Bu-Ali Sina University, Hamedan, Iran</i> An Investigation into the Restrictions of High Rate Test Techniques | | | |
| 10-10:30 | Keynote Speaker: Prof. L. Vergani , <i>Dipartimento di Meccanica Politecnico di Milano, Italy</i> 3D Printed Bone Inspired Materials: A Computational Model to Predict their Failure and Performance | | | |
| 10:30-11:00 | Coffee/Tea Break | | | |
| Poster Presentations (11:00-12:15) | | | | |
| 12:15-13:45 | Pray & Lunch | | | |
| Oral Presentations | | | | |
| Sessions | Room 1 | Room 2 | Room 3 | Room 4 |
| 13:45-15:45 | Composites & Advance Materials | Experimental Stress Analysis & NDT | High Strain Rate, Elasticity & Plasticity | Vibration & Dynamics |
| 15:45-16:15 | Coffee/Tea Break | | | |

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| 16:15-18:15 | Fatigue | Composites & Advance Materials | Fracture Mechanics | Robotics & Biomechanics |
| February 14, 2018 | | | | |
| 8:00-8:45 | On-site Registration | | | |
| 8:45-9:20 | Keynote Speaker: | Prof. M. Guagliano , <i>Dipartimento di Meccanica Politecnico di Milano, Italy</i> The Potential of Cold Spray as an Additive Manufacturing Process | | |
| 9:20-10:00 | Keynote Speaker: | Dr. J. Domitner , <i>Graz University of Technology, Institute of Materials Science, Joining and Forming, Research Group Tools & Forming, Austria</i> Numerical Study on Destructive Testing of Self-piercing Rivet Joints | | |
| 10:00-10:30 | Coffee/Tea Break | | | |
| Poster Presentations (10:30-11:45) | | | | |
| 11:45-13:30 | Preparing for the receipt of documents | | | |
| 12:15-13:45 | Pray & Lunch | | | |
| Conference closing session | | | | |

Room 1 (February 13, 2018)

Session Chairs: M. Kabir & N. M. Nouri

Subject: Composites & Advance Materials

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|-------------|-------------|--|
| 13:45-14:05 | A-10-997-1 | <p>The Effects of Geometric Parameters under Small and Large Deformations on Dissipative Performance of Shape Memory Alloy Helical Springs Y. Mohammad Hashemi, M. Kadkhodaei <i>Isfahan University of Technology</i></p> |
| 14:05:14:25 | A-10-1130-1 | <p>Experimental Investigation on Flexural Behavior of Concrete Slabs Reinforced With Prefabricated GFRP Grating A. Ahrabi, M. Kabir, A. Rahai <i>Amirkabir University Of Technology(Tehran Polytechnic)</i></p> |
| 14:25-14:45 | A-10-1121-1 | <p>Influence of the E-Coating Process on the Mechanical Properties of Aluminum Welds Z. Silvayeh, B. Fellner, M. Hartmann, C. Sommitsch <i>Graz University of Technology</i></p> |
| 14:45-15:05 | A-10-1116-2 | <p>One-Step Synthesis of the Nanostructured ZnO/CuO Composite with Highly Hydrophobic propErties E. Velayi, R. Norouzbeigi <i>Iran University of Science and Technology</i></p> |
| 15:05-15:25 | A-10-1099-1 | <p>Evaluation of Non-Linear Effects in Piezoresistive PDMS/MWCNT Sensing Elements M. Nankali, N. M. Nouri, N. Geran Malek <i>Iran University of Science and Technology</i></p> |
| 15:25-15:45 | A-10-1098-8 | <p>An Experimental-Theoretical Model to Predict Mechanical Behavior of Single-Lap Bolted Composite Joints A. R. Shamaei-Kashani, M. M. Shokrieh <i>Iran University of Science and Technology</i></p> |

Room 2 (February 13, 2018)

Session Chairs: A. H. Mahmoudi & M. S. Safizadeh

Subject: Experimental Stress Analysis & NDT

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|-------------|-------------|--|
| 13:45-14:05 | A-10-1115-1 | Experimental Investigation of Cutting Tool Geometry Effect on Residual Stress in Turning of St316 J. Mohammadi, B. Davoodi <i>University of Tabriz</i> |
| 14:05:14:25 | A-10-1098-4 | An Investigation on the Safe Slitting Interval in Measuring the Residual Stresses S.D. Salehi, M.M. Shokrieh <i>Iran university of science and technology</i> |
| 14:25-14:45 | A-10-979-1 | A Novel Method to Obtain Material Properties through Knoop Indentation A. R. Hosseinzadeh, A. H. Mahmoudi <i>Bu-Ali Sina University, Hamedan</i> |
| 14:45-15:05 | A-10-1091-1 | 3D Positioning of Defects by Ultrasonic Time-of-Flight Diffraction (ToFD) A. Habibpour-Ledari, F. Honarvar <i>K. N. Toosi University of Technology</i> |
| 15:05-15:25 | A-10-1090-1 | Non-Destructive Testing of Large Area Aluminum Plate Using Stroboscopic Shearography H. Asemani, N. Soltani, A. Shivaiei Kojouri <i>University of Tehran</i> |
| 15:25-15:45 | A-10-987-1 | Design of a Pulsed Eddy Current Sensor for Characterization of Sub-surface Defects in Ferromagnetic Steels T. Azizzadeh, M. S. Safizadeh <i>Iran University of Science and Technology</i> |

Room 3 (February 13, 2018)

Session Chairs: G.H. Majzoubi & R. Hashemi

Subject: High Strain Rate, Elasticity & Plasticity

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|-------------|-------------|---|
| 13:45-14:05 | A-10-1131-1 | <p>Tensile Characterization of Composite Adobe Specimens Reinforced with Short Fibers, an Experimental Study F. Faghieh khorasani, M. Z. Kabir, M. A. Rastak <i>University of Amirkabir</i></p> |
| 14:05:14:25 | A-10-1069-1 | <p>Investigation of Dimensional Accuracy in Spinning Process Using Experimental Work and FE Simulation M. Zohoor, T. Jahangirpoor <i>K. N. Toosi University of Technology</i></p> |
| 14:25-14:45 | A-10-983-1 | <p>Investigation of a Modified Stamping Process for Fabrication of PEMFC Metallic Bipolar Plates with Cascaded Flow Field M. M. Barzegari, E. Alizadeh, M. Khorshidian, S. H. M. Saadat, K. Mohammadi <i>Malek Ashtar University of Technology</i></p> |
| 14:45-15:05 | A-10-1083-1 | <p>High Strain Rate Study of OFHC Copper by Experiments and Simulations V. Shirazi, G. H. Majzoubi, E. Khademi <i>Hamedan University of Technology</i></p> |
| 15:05-15:25 | A-10-978-1 | <p>High Velocity Impact Response of Rubber Panel A. Khodadadi, Gh. Liaghat, A. R. Bahramian, H. Ahmadi, Y. Anani <i>Tarbiat Modares University, Tehran, Iran</i></p> |
| 15:25-15:45 | A-10-956-1 | <p>Experimental Evaluation of Impact Strength of Cementitious Composite by Partially Replacement Cement with Fly Ash Class F B. Gholami, Gh. Liaghat, A. Bayat, E. Pedram, T. Saramlouei <i>Tarbiat Modares University</i></p> |

Room 4 (February 13, 2018)

Session Chairs: M. Heidari-Rarani & M. Rajabi

Subject: Vibration & Dynamics

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|-------------------------|-------------|--|
| 13:45-14:05 | A-10-1127-1 | A Comparison between Acoustic Emission Approach and Vibration Analysis in Detection of Failure Mechanisms in Carbon/Epoxy Composites M. Azadi, H. Sayar, M. Alizadeh, N. Raeisi, A. Moosavian, A. Ghasemi-Ghalebahman, S. M. Jafari, M. Shakouri <i>Semnan University</i> |
| 14:05:14:25 | A-10-972-1 | Studying the Effects of Ultrasonic Vibration on Microstructure and Hardness of St14 Steel Sheet N. Najafizadeh, M. Rajabi, R.Hashemi, S. Amini <i>Iran University of Science and Technology</i> |
| 14:25-14:45 | A-10-1094-1 | Bench Mark Equations for Transverse Vibration of Timoshenko Beams S. Hosseini Hashemi, A. Magsud Pour, A. Nezamabadi <i>Islamic Azad University</i> |
| 14:45-15:05 | A-10-1059-1 | Passive Vibration Suppression of Rotating Plates Using Piezoelectric Patches R. Talebitooti, N. Bakhshi, M. A. Amooie, H. Darvish <i>Iran University of Science and Technology</i> |
| 15:05-15:25 | A-10-954-5 | Utilization of Advanced Prognostic Methods for Gas Turbine M. Larky, M. Riahi, H. R. Javidrad <i>Iran University of Science and Technology</i> |
| 15:25-15:45 | A-10-1043-1 | An Experimental Crashworthiness Investigation of Aluminum 6061-T6 Tube under Axial Compression M. Emadi, H. Beheshti, M. Heidari-Rarani, F. Haji Aboutalebi <i>University of Isfahan</i> |
| Coffee/Tea Break | | |

Room 1 (February 13, 2018)

Session Chairs: H. Khoramishad, F. Taheri-Behrooz

Subject: Fatigue

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| 16:15-16:35 | A-10-1105-1 | <p>Epoxy Resins under Repeated Hygrothermal Conditions H. Khoramishad, H. Bayati <i>Iran University of Science & Technology</i></p> |
| 16:35-16:55 | A-10-1003-1 | <p>Effect of Sheet Thickness on the Static Strength and Fatigue Behavior of the Friction Stir Spot Weld of Al 6061-T6 Alloy A. R. Shahani, A. Farrahi <i>K.N. Toosi University of Technology</i></p> |
| 16:55-17:15 | A-10-982-1 | <p>Fatigue Damage Evolution of Notched Composite Multilayered Structures under Tensile Loads A. Muc, M. Chwał, P. Romanowicz, A. Stawiarski <i>Cracow University of Technology</i></p> |
| 14:15-17:35 | A-10-967-1 | <p>Two Fatigue Damage Models to Predict Life in SS304 and Al7050 Alloys Undergoing Multiaxial Irregular Loading Spectra G. R. Ahmadzadeh, A. Varvani-Farahani <i>Ryerson University</i></p> |
| 17:35-17:55 | A-10-1112-1 | <p>Maximum Yield Tensile Stress Evaluation for Investigating the High Cycle Fatigue Loading of Stainless Steel 316L: Experimental and Numerical Study M. Heidari, H. Beheshti, F. Haji Aboutalebi <i>University of Isfahan</i></p> |

Room 2 (February 13, 2018)

Session Chairs: R. Ansari & A. Saeedi

Subject: Composites & Advance Materials

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| 16:15-16:35 | A-10-1006-1 | <p>Characterization of Biodegradable PLA and Carbon Fiber Reinforced PLA Produced by 3D Printers M. Heidari-Rarani, A. M. Zahedi, M. Rafiee-Afarani <i>University of Isfahan</i></p> |
| 16:35-16:55 | A-10-1000-3 | <p>Investigation of In-Plane Shear Behavior of Multi-Layer Woven and Weft Knitted Fabric Reinforced Composites F. Madani, M. Azadian, M.M. Shokrieh, H. Hasani <i>Isfahan University of Technology</i></p> |
| 16:55-17:15 | A-10-993-2 | <p>Effect of Extrusion Ratios on Microstructure, Microhardness and Corrosion Behavior of Magnesium/Hydroxyapatite Bio-composites E. Ghazizadeh, A. H. Jabbari, M. Sedighi <i>Iran University of Science and Technology</i></p> |
| 14:15-17:35 | A-10-960-4 | <p>Experimental Study on Mechanical Behavior of Liquid Nitrogen Conditioned Fiber Metal Laminates as Potential Cryogenic Materials M. Najafi, A. Darvizeh, R. Ansari <i>University of Guilan</i></p> |
| 17:35-17:55 | A-10-1027-1 | <p>The Simultaneous Effect of Graphene and XNBR on the Tensile Properties of Epoxy F. Ashenai Ghasemi, M. H. Saberian, I. Ghasemi, S. Daneshpayeh <i>Shahid Rajaee Teacher Training University</i></p> |

Room 3 (February 13, 2018)

Session Chairs: M. Heidari-Rarani & A.R. Torabi

Subject: Fracture Mechanics

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| 16:15-16:35 | A-10-1044-1 | <p>Impact Behavior of Aluminum Composite Laminates: Architectural Lamination and Interfacial Bonding A. Hosseini Monazzah, R. Bagheri, S. M. Seyed Reihani <i>Shahid Beheshti University</i></p> |
| 16:35-16:55 | A-10-1048-2 | <p>Fracture Modes in Resistance Spot Welding of AISI 316 Stainless Steel Sheets M. Safari, J. Joudaki <i>Arak University of Technology</i></p> |
| 16:55-17:15 | A-10-1041-1 | <p>Investigation of Mixed Mode Fracture in Cracked Brazilian Disk Specimen under Compressive Mode I Loading M. R. Ayatollahi, B. Bahrami, A. R. Torabi <i>Iran University of Science and Technology</i></p> |
| 14:15-17:35 | A-10-1009-1 | <p>Synthesis and Investigation of the Crack Growth in SCB-Shaped Nanocrystalline Forsterite Samples under Mode-I and Mode-II Loading M. Zabihi, M. R Ayatollahi, H. R. Rezaie <i>Iran University of Science and Technology</i></p> |
| 17:35-17:55 | A-10-988-1 | <p>Effect of Encapsulated Linseed Oil Agglomeration on the Flexural Behavior of Epoxy/Microcapsules Composites R. Jahadi, H. Beheshti, M. Heidari-Rarani, A. H. Navarchian <i>University of Isfahan</i></p> |
| 17:55-18:15 | A-10-1084-1 | <p>The Effect of Fiber Content on Cohesive Properties of Fiber Reinforced Cemented Sands O. R. Barani, S. M. Seyyedean <i>K. N. Toosi University of Technology</i></p> |

Room 4 (February 13, 2018)

Session Chairs: E. Khanmirza, S. Kazemirad

Subject: Robotics & Biomechanics

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| 16:15-16:35 | A-10-1001-1 | <p>Comparison Different Ankle Foot Orthotic for Drop Foot Caused by Spine injury M. A. Alavikia, A. R. Arshi <i>Amirkabir University of Technology</i></p> |
| 16:35-16:55 | A-10-1101-1 | <p>Design and Fabrication of a New Robot Finger P. Samandizadeh, A. H. D. Markazi, E. Khanmirza, A. Karamali Ravandi <i>Iran University of Science and Technology</i></p> |
| 16:55-17:15 | A-10-990-1 | <p>Experimental Evaluation of Revolute-Prismatic Joints Manipulator with Flexible Links Modeled by Recursive Gibbs-Appell Formulation S. F. Dehkordi, M. R. Jamshidi, M. Mojarradi, P. Monfared, M. H. Korayem <i>Iran University of Science and Technology (IUST)</i></p> |
| 14:15-17:35 | A-10-968-1 | <p>Point to Point Path Planning of Railed Base Dual Arm Manipulators with Obstacles in Their Workspace H. Ghariblu, B. Zeinal-Teimurluei <i>University of Zanjan</i></p> |

Conference sessions adjourn for the day

Poster Presentations (February 13, 2018, 11:00-12:15)

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| A-10-948-1 | <p>Reliability Design of the Hinge Kit System (HKS) in a Commercial Refrigerator Subjected to Repetitive Impact Loading S. Woo, D. L. O’Neal <i>Baylor University</i></p> |
| A-10-954-2 | <p>Utilization of Acoustic Emission Phenomenon and Its Applications in Mechanical Engineering H. R. Javidrad, M. Riahi, M. Larky <i>Iran University of Science and Technology</i></p> |
| A-10-956-2 | <p>Effects of Randomly Distributed Discrete Short PVA Fibers on Impact Strength of Cement Based Composite T. Saramlouei, Gh. Liaghat, A. Bayat, E. Pedram, B. Gholami <i>Tarbiat Modares University</i></p> |
| A-10-960-3 | <p>Durability Characteristics of Novel Fiber Metal Laminates for Marine Applications in Moist and Salty Environments M. Najafi, A. Darvizeh, R. Ansari <i>University of Guilan</i></p> |
| A-10-963-1 | <p>Investigating Compression Properties of Healed Sandwich Structure via Epoxy and TETA Microcapsules M. A. Mohammadi, R. Eslami-Farsani, H. Ebrahimnezhad-Khaljiri, S. Mirzamohammadi, M. R. Zamani <i>K. N. Toosi University of Technology</i></p> |
| A-10-966-1 | <p>Using the Failure Assessment Diagram Method to Evaluate Fracture Resistance of E7010-P1 Cellulosic Welding Electrodes S. H. Kolooshani, A. Atrian, E. Mohseni <i>Najafabad branch, Islamic Azad University</i></p> |
| A-10-970-1 | <p>Bogie Design for Freight Wagons with 25 ton Axle Load S. P. Haibatollahi, S. Gohari, S. Alizadeh <i>Arvin Tabriz Company</i></p> |
| A-10-974-1 | <p>Fatigue Life Prediction of Steel Alloys under Uniaxial Random Loading using Stress-Based Approach F. kazerooni, M. R. Golbahar Haghghi, G. R. Ahmadzadeh <i>Ryerson University</i></p> |

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| A-10-976-1 | Performance Comparison of Steel and Composite Pipelines under Fault Displacement R. Mosalmani, S. Soveiti <i>Shahid Chamran University of Ahvaz</i> |
| A-10-978-2 | Numerical Study of Impact on a Panel Made of Hyperelastic Rubber A. Khodadadi, Gh. Liaghat, A. R. Bahramian, H. Ahmadi, Y. Anani <i>Tarbiat Modares University</i> |
| A-10-981-1 | Mixed Elastic Variational Formulation of Composite Plates Based on Dimension Reduction Method M. J. Khoshgoftar, M. Karimi <i>Arak University</i> |
| A-10-983-2 | Quantitative Study of Contact Pressure Distribution over the Active Area of PEM Fuel Cell's MEA M. M. Barzegari, E. Alizadeh, M. Khorshidian, S. H. M. Saadat, K. Mohammadi <i>Malek Ashtar University of Technology</i> |
| A-10-986-1 | Experimental Analysis of Delamination on Mode III in Composite Materials and Effects of Adding Nanoparticles on Energy Release Rate M. R. Khoshravan, H. Rostamkhanlou <i>University of Tabriz</i> |
| A-10-992-1 | Kinematic Singularity Analysis And Verification Of Hexapod Machine Tool M. J. Nategh, P. Mohammadinejad <i>Tarbiat Modares University</i> |
| A-10-1000-5 | Investigation of Compressive Properties of Multi-Layer Fabric Reinforced Composites F. Madani, M. Azadian, M.M. Shokrieh, H. Hasani <i>Isfahan University of Technology</i> |
| A-10-1005-1 | Lateral Control of Long Combination Vehicle by Active Braking Control of Converter Dolly B. Mashhadi, M. Kianpour Ghahfarokhi <i>Iran University of Science and Technology</i> |
| A-10-1010-1 | Investigation and Presentation of a Non-destructive Test Method in Electrofusion joints of Polyethylene Gas Piping for City Gas Network A. HossienKhanli, M. Shojaei, A. Bayati, F. Kashefi <i>Research Institute of Petroleum Industry</i> |

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| A-10-1011-1 | Finite Element Analysis of Thermo-Mechanical Vibration and Instability of Double Wall Boron Nitride Nanotubes Conveying Fluid Resting On Viscoelastic Medium Using Nonlocal Elasticity Theory S.M. Shafaatian, M. Mahzoon, Sh. Zolanvar, A. Zandi <i>Yazd University</i> |
| A-10-1013-1 | Investigation on Maximum Aggregate Size Effects on Damage Pattern and Ballistic Limit Velocity of Cementitious Composite Subjected to Impact Loading Sh. A. F. Mohammadi, Gh. Liaghat, E. Pedram, A. Bayat <i>Tarbiat Modares University</i> |
| A-10-1017-1 | Center of Mass State Estimation for a 2 DoF Mechanism Based on Sensor Data Fusion H. Alai, A. Yousefi-Koma, F. A. Shirazi <i>University of Tehran</i> |
| A-10-1028-1 | Fault Detection in Centrifugal Pumps Using Fuzzy Logic and Artificial Immune Network M. Riahi, S. M. Matloobi <i>Iran University of Science and Technology</i> |
| A-10-1032-1 | Modified BESO Topology Optimization Algorithm for Fundamental Frequency Considering Geometrical Symmetry Constraint M. Teimouri, M. Asgari <i>K. N. Toosi University of Technology</i> |
| A-10-1037-1 | Free Vibration of a Timoshenko Hybrid Composite Beam Considering the Rayleigh–Ritz Method H. Mohammadipour, B. Ameri, R. Talebitooti <i>Iran University of Science and Technology</i> |
| A-10-1046-2 | Influence of Short Glass Fiber Particles Addition on the Vibration Properties of Polypropylene A. R. Albooyeh <i>University of Damghan</i> |
| A-10-1047-1 | Effect of Different Production Temperatures on the Mechanical and Morphological Properties of Polypropylene Foam A. R. Albooyeh, Sh. Eskandarzadeh, A. Mousavi <i>University of Damghan</i> |
| A-10-1054-2 | Brittle Fracture of Metallic Diaphragm in Sonic Soot Blower M. Javanmard, S. H. Dibajian, S. M. Yadavar Nikravesh <i>Shahid Beheshti University</i> |

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| A-10-1057-1 | Low Velocity Impact Properties of Basalt/Jute Fibers Hybrid Composites R. Eslami-Farsani, M. Javadi, N. Sohrabian <i>Islamic Azad University, South Tehran Branch</i> |
| A-10-1063-1 | Optimum Investigation of Suspension Parameters for Dynamic Performance Improvement of an Off-Road Vehicle A. Zareian, Sh. Azadi <i>K. N. Toosi University of Technology</i> |
| A-10-1067-1 | Low Velocity Impact Response on Nano-FG plate S. Pariafsai, M. Yarmohammad Tooski <i>Islamic Azad University, South Tehran Branch</i> |
| A-10-1071-1 | Parametric Study of Single and Multi-Bolted Joints in Composite Structures H. Haji Akbari, M. Asgari <i>K. N. Toosi University of Technology</i> |
| A-10-1074-1 | Low Velocity Impact Properties of Sandwich Panels with FML Face Sheets M. Sharafi, S. M. R. Khalili, Gh. R. Aghamirzadeh, S. Khalili <i>K. N. Toosi University of Technology</i> |
| A-10-1083-2 | Study the Effect of Friction Stir Processing on Microstructure and Mechanical Properties of Ti-6Al-4v E. Farid, A. Momeni, E. Khademi <i>Hamedan University of Technology</i> |
| A-10-1085-1 | An Investigation of Mechanical and Thermal Properties of Graphene/ FBE Coatings F. Mahheidary, B. Tolaminejad, A. Momeni <i>Hamedan University of Technology</i> |
| A-10-1095-1 | Fatigue Life Prediction of Notched Specimens using a new model in the Framework of Entropy Generation Theory B. Mohammadi, M. Ghasemzadeh <i>Iran University of Science and Technology</i> |
| A-10-1096-2 | Classification of Human Brain EEG Signals for Orientation Detection in Visual Stimulus S. Badri, B. Beigzadeh <i>Iran University of Science and Technology</i> |
| A-10-1098-13 | Loading Rate Effects on the Fracture Toughness of Unidirectional Laminated Composites under mode I Loading M. H. Jamali, M. M. Shokrieh, M. Salamat-Talab <i>Iran University of Science and Technology</i> |

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| A-10-1098-15 | Effects of Seashell Powder as a Bio-Filler on Mechanical Properties of Seashell/Epoxy Composites A. Amouzadi, M. M. Shokrieh <i>Iran University of Science and Technology</i> |
| A-10-1098-11 | Measurement of Residual Stresses in Laminated Polymer Composites using the Digital Image Correlation and Incremental Hole Drilling Methods M. A. Rastak, M. M. Shokrieh, L. Barrallier , R. Kubler <i>Iran University of Science and Technology</i> |
| A-10-1098-6 | The Effect of Interface Fiber Angle on the Delamination Growth of DCB Specimens Made of Woven Fabric Composites M. Kharratzadeh, M.M. Shokrieh, M. Salamat-Talab <i>Iran University of Science and Technology</i> |
| A-10-1098-3 | A Dynamic Micromechanical Constitutive Model to Predict the Mechanical Behavior of Glass/Epoxy Composites S. S. Seyedalikhani, M. M. Shokrieh, A. R. Shamaei Kashani <i>Iran University of Science and Technology</i> |
| A-10-1098-1 | A Novel Model to Predict the Stiffness of Single-Lap Multi-Bolt Composite Joints S. M. Atifeh, M. M. Shokrieh, A.R. Shamaei-Kashani <i>Iran University of Science and Technology</i> |
| A-10-1107-1 | Utilization of Metal Additive Manufacturing (AM) in Precision Oriented Mechanical Part Production H. R. Javidrad, M. Riahi, M. Larky <i>Iran University of Science and Technology</i> |
| A-10-1109-1 | Dominant Environment Approach in Thin Film-Substrate Systems: Mechanical Behavior of a Coated Cylinder M. Noroozi <i>Karaj Islamic Azad University</i> |
| A-10-1111-1 | Using Functionalized Nano-Alumina for Improving the Flexural Properties of E-Glass Chopped Strand Mat/Epoxy Composites S. Sahelizadegan, A. Chaji, H. Khosravi, E. Tohidlou <i>University of Sistan and Baluchestan</i> |
| A-10-1116-1 | Wettability Behavior Studies of ZnO-NiO Composite Nanostructures Fabricating on the Stainless Steel Meshes E. Velayi, R. Norouzbeigi <i>Iran University of Science and Technology</i> |
| A-10-1122-1 | Experimental Investigation of Sheet Metals Bond Strength Produced By Cold Roll Bonding Method (CRB) E. Dehnavi, R. Hashemi <i>Iran University of Science and Technology</i> |

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| A-10-1129-1 | Scatter-band and Reliability Analysis on High Cycle Fatigue Behavior of Bovine Compact Bones M. Azadi, M. Farzannasab, H. Bahmanabadi <i>Semnan University</i> |
| Poster Presentations (February 14, 2018, 10:30-11:45) | |
| A-10-954-3 | Utilization of the Most Recent Techniques Developed by Non-Destructive Methods for the Aerospace Industry M. Larky, M. Riahi, H. R. Javidrad <i>Iran University of Science and Technology</i> |
| A-10-955-1 | Physiotherapy Treatment Effects on Ground Reaction Force and Toe-out Angles: A Case Study F. Eskandari, S. Bahrami Z. S., A. R. Arshi <i>Amirkabir University of Technology</i> |
| A-10-959-1 | Numerical and Experimental Analysis of Delamination of Nomex Honeycomb Core from the Carbon/Epoxy Facesheet in a Sandwich Structure M.R. Khoshnavan Azar, N. Abbasi <i>University of Tabriz</i> |
| A-10-960-1 | Mechanical Properties of Balsa Cored Sandwich Structures with Glass/Epoxy and Fiber Metal Laminate Skins: A Comparative Study M. Najafi, A. Darvizeh, R. Ansari <i>University of Guilan</i> |
| A-10-965-1 | On the Mechanical Behavior of Nano-Calcium Carbonate Reinforced Epoxy/Carbon Fiber Laminates S. Shahbakhsh, H. Khosravi, E. Tohidlou <i>University of Sistan and Baluchestan</i> |
| A-10-969-1 | Numerical Investigation of Nose Sharp Changes in Ice Projectile with Conical Shape Sh. Dolati, M. Shariati, J. Rezaee Pazhand <i>Ferdowsi University of Mashhad</i> |
| A-10-973-1 | An Experimental Investigation on the Viscoelastic Behavior of PP/ASF/CaCO₃ Hybrid Nanocomposites A. Shahbazi, P. Faraji Kalajahi, K. Shelesh-Nezhad, N. Arsalani <i>University of Tabriz</i> |
| A-10-975-2 | Strain-Based Damage Models to evaluate Fatigue Life of Steel Alloys Under Uniaxial Variable Loading A. Loghmanzadeh, M. R. Golbahar Haghighi, G. R. Ahmadzadeh |

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| | <i>Ryerson University</i> |
| A-10-977-2 | Investigation of Matrix Cracking Formation in Composite Laminates under the Bending Loading A. Farrokhhabadi, M. Bahrami <i>Tarbiat Modares University</i> |
| A-10-980-1 | Extracting Jc Based Upon η Factor; a Challenge for Single Specimen Testing of Elastomers A. R. Shahani, M. Baghaee, H. Shooshtar <i>K.N. Toosi University of Technology</i> |
| A-10-983-3 | Study of the Residual Stress Effect of Welding Process on the Life Estimation of Submarine S. M. Hosseini, E. Alizadeh, M. Rezaei Firouzjaee, S. H. Masrori Saadat <i>Malek Ashtar University of Technology</i> |
| A-10-984-1 | Measurement of the Mode I Delamination Fracture Toughness of Composite Materials Based on the J-Integral Approach A. R. Shahini, H. Shooshtar, R. Abolfathitabar <i>K. N. Toosi University of Technology</i> |
| A-10-991-1 | Investigation the Effect of Aging Time and Quenching on the Surface Residual Stress of AlCu-Li 2198 Alloy M. T. Honaramooz, Sh. Mirdamadi, H. Razavi <i>Iran University of Science and Technology</i> |
| A-10-993-3 | Effect of Hot-Forging Process on Microstructure and Micro-Hardness of AZ31/Al₂O₃ Nanocomposites M. Dareini, A. H. Jabbari, M. Sedighi <i>Iran University of Science and Technology</i> |
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| A-10-1011-2 | Finite Element Analysis of Thermo-Mechanical Vibration and Instability of Single Wall Boron Nitrid Nano Tube Conveying Fluid Embedded In an Elastic Medium Using Nonlocal Elasticity Theory S. M. Shafaatian, M. Mahzoon, Sh. Zolanvar, A. Zandi <i>Yazd University</i> |

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| A-10-1012-1 | Modeling and Control of an Upper Limb Rehabilitation Robot S. Leysi Azar, A. Ghanbari, E. Qaredagi <i>Amirkabir University of Technology</i> |
| A-10-1015-1 | Influence of Fiber Ratio of Composite Materials on Mode III Delamination in ECT Specimens F. Sharifnasab, M. R. Khoshnavan <i>Tabriz University</i> |
| A-10-1027-2 | The Effect of GnPs and Curing Condition on the Flexural Properties of Epoxy/XNBR Composite M. H. Saberian, F. Ashenai Ghasemi, I. Ghasemi, S. Daneshpayeh <i>Shahid Rajaee Teacher Training University</i> |
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| A-10-1048-1 | Effect of Carburizing Process on Fatigue Life J. Joudaki, M. Safari <i>Arak University of Technology</i> |
| A-10-1054-1 | Fatigue Investigation of Metallic Diaphragm in Sonic Soot Blower M. Javanmard1*, S. H. Dibajian2, S. M. Yadavar Nikravesh3 <i>Shahid Beheshti University</i> |

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| A-10-1060-1 | Barrier and Mechanical Properties of PVA Films Reinforced by Nano TiO₂ M. Zamanian, H. Sadrnia, M. Khojastehpour, F. Hosseini <i>Ferdowsi University of Mashhad</i> |
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| A-10-1098-14 | Sensitivity-Based Finite Element Model Updating of Fiberglass/Foam Core Sandwich Panel with Natural Frequencies A. Mardanshahi, M. M. Shokrieh, A. Izadi <i>Iran University of Science and Technology</i> |

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| A-10-1098-7 | A New Thermoplastic Composite Made of Knitted-Glass/Polypropylene M. J. Taheri, M. M. Shokrieh <i>Iran University of Science and Technology</i> |
| A-10-1098-5 | Investigation on the Effect of Acid Etching Duration on Adhesive Bonding of E-Glass/Epoxy Composites to Polyethylene R. Chitsaz Dehaghani, M. M. Shokrieh, F. Taheri-Behrooz <i>Iran University of Science and Technology</i> |
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