

Program of the First Arab Conference on Mechanical Engineering, ARCME'17

December 10-11, 2017, Auditorium Pr. Kamal Boulanouar, University of Biskra, CAMPUS CHETMA.

Decembre 10, 2017 – Afternoun



Oral Program

Topic A: Energy Engineering

Room 1

ID /Name / Time	Title	Observation
232 / Roudouane Laouar (U. Tebessa) 16:10 – 16:40	3D Simulation of Molten Flow in The Shoot Sleeve of High Pressure Die Casting Process	
016/ Amel terki (U. Biskra) 16:40 – 17:10	The Effectiveness of ANFIS Estimator Position In solar PV Pumping System	
019/ Ali Nemdili (USTO, Oran) 17:10 – 17:40	Predetermination Of The Head Characteristic Of A Centrifugal Pump Handling A Mud Of Dam	
086/ Sabrina Ratiba Ferfera (<i>USTHB, Algiers</i>) 17:40 – 18:00	Numerical Investigation of Heat Transfer Enhancement in Phase Change Material (PCM) Embedded in Metal foams	
193/ Kamel Chadi (<i>U. Biskra</i>) 17:40 – 18:00	Influence La forme Géométrique Des Mini canaux D'un Refroidisseur Sur Les Echanges Thermiques	

Jury Members:

- 1- Pr. Mahfoud Kadja (U. constantine)
- 2- Pr. Nouredine moummi (U. Biskra)

- 3- Pr. Abdelhafid Brima (U. Biskra)
- 4- Pr. Ali Bouchoucha (U. constantine)

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Topic B: Mechanical and Structural Analysis

Room 2

ID /Name / Time	Title	Observation
027 /Cherif Rebiai (<i>U. Batna2</i>) 16:10 – 16:40	A New Strain Based rectangular Element for the analysis of Shear Wall Structures	
085 /Temesgen Takele Kasa (<i>South korea</i>) 16:40 – 17:00	Orthotropic Face Sandwich and composite Plate Analysis Using Layer-by-Layer Refined Theory: With Inter-Laminar In-plane and Flexural Displacement Continuity Assumption	
167 /Dr. Kaoutar Zellat (<i>U. Mostaganem</i>) 17:00 – 17:20	Computer Simulation and Dynamic Analysis of Passive Control Applied on Cable Stayed Bridge	
106 / Kouider Bendine (<i>U. Sidi Bel Abbes</i>) 17:20 – 17:40	Optimal position of piezoelectric actuators for active vibration reduction of beams	
092 /Zahida Tchantchane (<i>CDTA, Algiers</i>) 17:40 – 18:00	3D Triangulation of a Non-Structured Cloud of Points	

Jury Members:

- 1- Pr. Abdelhouahab Tati (U. Biskra)
- 2- Pr. Hecini Mabrouk (U. Biskra)

- 3- Pr. Mohamed Said Chebbah (U. Biskra)
- 4- Dr. Lamine Baci (U. Biskra)

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Topic C: Materials Engineering

Room 3

ID /Name / Time	Title	Observation
079 /Pr. Abdelouahad Chala (<i>U. Biskra</i>) 16:10 – 16:40	Electrodeposition of Ni–Cr–ZrO ₂ composite coating on Copper surface	
195 /Samir Habibi (<i>U. Mascara</i>) 16:40 – 17:00	Characterization of Thermally Affected Steels by Nanoindentation	
100 /Amina Attia (<i>U. Ain Temouchent</i>) 17:00 – 17:20	A Refined Four Variable Plate Theory For Thermoelastic Analysis Of FGM Plates Resting On Elastic Foundations	
262 /Naima Rezig (<i>U. Tizi-Ouzou</i>) 17:20 – 17:40	Influence du Vieillissement Thermique sur le Comportement en Traction et en Déchirement d'Elastomère de Suspension	
013 /Samir Daghboudj (<i>U. Tebessa</i>) 17:40 – 18:00	Influence of the shape factor upon stress concentration factor in isotropic/orthotropic plates with central hole subjected to tension load	

Jury Members:

- 1- Pr. Zakaria Boumerzoug (U. Biskra)
- 2- Pr. Abdelouahed Chala (U. Biskra)

- 3- Dr. Hamza Bentrah (U. Biskra)
- 4- Dr. Karima Ounnas (U. Biskra)