

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 11, 2017 – Morning



Oral Program

Topic A: Energy Engineering

Room 1

ID /Name / Time	Title	Observation
020 /Hamza Aliagha (<i>U. Bejaia</i>) 08:40 – 09:00	Non-Darcy Natural Convection Boundary Layer Flow of Nanofluid a Long a Vertical Plate Embedded in Porous Medium	
018 /Sihem Latreche (<i>U. Biskra</i>) 09:00 – 09:20	Amélioration De La Performance Énergétique Des Bâtiments Résidentiels A Travers L'optimisation De L'enveloppe Architecturale. Cas De L'habitat Auto Construit A Biskra	
246 /Charef-Eddine Mahdid (<i>U. Biskra</i>) 09:20 – 09:40	Experimental Investigation on Thermal Performance of an Earth-to-Air Heat Exchanger (EAHE) For Continuous Operation	
234 /Latoui Bensmina (<i>U. Biskra</i>) 09:40 – 10:00	Sustainable Transformation of The HLM District: Through the Use of Renewable Energy	
257 /Charef-Eddine bensaci (<i>U. Biskra</i>) 10:00 – 10:20	Experimental Study on The Performance of Flat-Plate Solar Air Heater (SAH) Provided by Several Baffles Geometries	

Jury Members:

- 1- Pr. Kamel Talbi (U. constantine)
- 2- Pr. Nemouchi (U. constantine)

- 3- Pr. Abdelmoumène Hakim Benmachiche (U. Biskra)
- 4- Dr. Nouredine Belghar (U. Biskra)

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Topic B: Mechanical and Structural Analysis

Room 2

ID /Name / Time	Title	Observation
270 /Hacene Ameddah (<i>U. Batna2</i>) 08:40 – 09:00	Caractérisation Biomécanique à la Fatigue de la MicroArchitecture d'une Vertèbre par Micro-Imagerie Médicale	
158 /Ali Benghia (<i>U. Laghouat</i>) 09:00 – 09:20	DFT Calculation of elastic properties and mechanical stability of the two phases the aluminiumthiophosphate ht-AIPs4, It-AIPs4 and InPs4 crystals	
116 /Fouzia Benkafada (<i>U. Constantine</i>) 09:20 – 09:40	The Analysis of the Microstructure and Mechanical Properties of Micro-alloyed Steels after Corrosion in Chloride Sodium for Gas Transmission Pipeline Applications	
091 /Foudil Khelil (<i>U. Mascara</i>) 09:40 – 10:00	Numerical Evaluation of Fracture Parameters Using a Virtual Strain Gage Method in SENT Specimen.	
250 /Ayoub Ayadi (<i>U. Biskra</i>) 10:00 – 10:20	Analysis of Small Elastoplastic Deformation Problems Using Finite Element Method	

Jury Members:

1- Pr. Mohamed Nadir Amrane (U. Biskra)

3- Dr. Lakhdar Sdira (U. Biskra)

2- Dr. Kamel Meftah (U. Biskra)

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Session C: Materials Engineering

Room 3

ID /Name / Time	Title	Observation
222 /Younès Menail (<i>U. Annaba</i>) 08:40 – 09:00	Fatigue Of An Epoxy Glass Composite Under Acoustic Supervision	
095 /Sahla Ferhat (<i>CDTA, Algiers</i>) 09:00 –09:20	Mold Cavity Design From Physical Object Using Reverse Engineering Process	
235 /Abdessabour Benamor (<i>U.Blida1</i>) 09:20 – 09:40	Tribological behavior of Ti3SiC2 composites	
144 /Aboubakeur Boukhelkhal (<i>U. Laghouat</i>) 09:40 – 10:00	Fresh and hardened properties of self-compacting mortar with reduced Portland cement content and waste brick powder	
109 /Pr. Abdelouahad Chala (<i>U. Biskra</i>) 10:00 – 10:20	Sodium benzoate as a Corrosion Inhibitor for Mild Steel in (0.6MNaCl+ 0.01MNa2SO4) Solution	

Jury Members:

- 1- Pr. Zakaria Boumerzoug (U. Biskra)
- 2- Pr. Elhachemi Bentemam (U. Biskra)

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