

**The first International Conference on Energy, Thermofluids and Materials Engineering**  
**1st ICETME 2021**  
**18 – 20 December, 2021 (ONLINE Conference)**

## **Program of the session**

### **S3: Computational Mechanics and Simulations**

**Organizer:** Prof. Dr. A.N.M. Mominul Islam Mukut - Dhaka University of Engineering & Technology, Gazipur (Bangladesh)

**Session Chairs:**

**Prof. Dr. A.N.M. Mominul Islam Mukut** - Dhaka University of Engineering & Technology, Gazipur (Bangladesh)

**Dr. Mahdi Abdeddaim** - University of Biskra, Biskra (Algeria)

Google meet link of the session:

<https://meet.google.com/wuc-qmsg-htq>

**Oral session: Saturday 18th December 2021**

**[8:30 AM to 11:00 AM Algeria Time/ 13:30 to 16:00 BD Time]**

Time	Presenter	ID and Title
1 8:30 am	<b>Prof. Dr. Adel Benchabane</b> University of Biskra	<b>Opening Speech by the Conference Chair</b>
2 8:45 am	<b>Samira Bouteraa</b> Annaba University, Algeria	<b>ID #44</b> Title: The contribution to Advance Diagnostic and Treatment Value of Medical Imaging for Cerebrovascular accidents by Co-simulation S. Bouteraa, A. Bouaricha, Z. Zemouri
3 9:00 am	<b>Dr. ALKEBSI Ebrahim</b> University of Batna 2, Batna, Algeria	<b>ID #91</b> Title: Comparison of Two Materials of a Gas Turbine Blade by Thermomechanical Analysis A. Ebrahim, O. Toufik, A. Hacene, A. Abdallah, A. Almoutazbellah
4 9:15 am	<b>Dr. ATTIA Amina</b> Ain Témouchent University , Algeria.	<b>ID #145</b> Title: A four unknown quasi-3D HSDT for bending analysis of functionally graded plates with in-plane rigidity variation. S. Abdelbari, A. Tounsi

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5	9:30 am	<b>Mr. Sami Houhamdi</b> University Badji Mokhtar of Annaba, Annaba, Algeria	<b>ID #148</b> Title: Numerical simulation of pressures applied on a mid-scale silo with different particle sizes by using Discrete Element Method Sami Houhamdi, Eutiquio Gallego Vazquez, Kamel Djeghaba
6	9:45 am	<b>Guerroudj Ahlam Roufieda</b> University, Mostaganem, Algeria.	<b>ID #151</b> Title: Hirshfeld Surface Analysis and Computational Studies of the new organic non linear material: (E)-2-{[(E)-2-hydroxy-5 methylbenzylidene]-hydrazinylidene}-1,2-diphenylethan-1-one Guerroudj Ahlam Roufieda, Boukabcha Nourdine, Abdelkader Chouaih
7	10:00 am	<b>Mrs. Saoussane Bachi Bensaad</b> Djillali El Liabès University, Sidi Bel Abbès. Algeria	<b>ID #198</b> Title: Numerical simulation of the mechanical behavior of bolted multi-material assemblies. BB. Saoussane, M. Mazari
8	10:15 am	<b>Dr. Laouer Abdelghani</b> University Mohamed Seddik Benyahia, Jijel, Algeria	<b>ID #230</b> Title: Effect of Cu nanoparticles on melting process of phase change material in a rectangular enclosure: A numerical study. A. Laouer
9	10:30 am	<b>Ms. Salmi Soraya</b> Université M'Hamed Bougara de Boumerdes, Algeria	<b>ID #252</b> Title: Properties of interfacial short crested wave in the presence of a parallel current S. Salmi, A.Nabil, M.Debiane
10	10:45 am	<b>Sidali Haif</b> Université de Blida1, Blida, Algeria	<b>ID #295</b> Title: Flow field Analysis of supersonic Plug Nozzle S.Haif, H. Kbab, A. Benkhedda

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**Poster session: Saturday 18th December 2021**

[From 12:00 PM to 12:30PM Algeria Time/ 17:00 to 17:30 BD Time]

Presenter	ID, Title, Authors, Goggle Meet link
1 <b>Imène Hebbar</b> University of Sidi-Bel-Abbes, Algeria.	<b>ID #57</b> Title: Integral for thermal and mechanical fracture of functionally graded materials Imène Hebbar, Abdelkader Boulenouar <a href="https://meet.google.com/bcw-nuud-zns">https://meet.google.com/bcw-nuud-zns</a>
2 <b>Dr. Samira Liamani</b> University Djillali Liabes Sidi Bel Abbes, Algeria	<b>ID #116</b> Title: Analysis of the thermomechanical behaviour of polymer pipes S.Liamani <a href="https://meet.google.com/uoo-qfyh-amg">https://meet.google.com/uoo-qfyh-amg</a>
3 <b>Dr. Amokrane Mounir</b> Université Mouloud Mammeri de Tizi Ouzou, Tizi Ouzou, Algérie	<b>ID #246</b> Title: Numerical simulation of a membrane system equipped with corrugated inserts M. Amokrane and D. Sadaoui <a href="https://meet.google.com/noi-aszm-vkb">https://meet.google.com/noi-aszm-vkb</a>
4 <b>Dr.Brahmia Noureddine</b> University Badji Mokhtar Annaba	<b>ID #257</b> Title: Integrity of rigid pipe under water hammer effect N.Brahmia, D.Daas <a href="https://meet.google.com/ajm-kjha-kto">https://meet.google.com/ajm-kjha-kto</a>
5 <b>Seyed Soroush Soleimani</b> Dokuz Eylel University	<b>ID #261</b> Title: Modelling and optimization of novel air amplifier with finite element method analysis and experimental study S. S. Soleimani, O. Ozdemir <a href="https://meet.google.com/rqb-cbem-zdi">https://meet.google.com/rqb-cbem-zdi</a>
6 <b>Dr. Mohammed Lameche</b> Université de Mohamed BOUDIAF USTO, Oran	<b>ID #282</b> Title: Numerical study of single-phase flow turbulence in a segment of rotating disc contactor (RDC) of a liquid-liquid extraction column on an industrial scale M. Lameche, A. Noureddine <a href="https://meet.google.com/pdc-vawp-muk">https://meet.google.com/pdc-vawp-muk</a>
7 <b>Dr. Azizi Mohamed Walid</b> University Center of Mila, Algeria.	<b>ID #304</b> Title: Statistical analysis and modeling of heat transfer during mixed convection air cooling in an inclined channel using design of experiment M.W. Azizi, M. Bensouici <a href="https://meet.google.com/tpi-ymrw-ind">https://meet.google.com/tpi-ymrw-ind</a>

