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

Program of the session

S2: Thermofluids Engineering

Organizers:

Dr. Mohammed Mahbubul Islam
Dhaka University of Engineering & Technology, Gazipur (Bangladesh)

Dr. Alpaslan Turgut
DokuzEylül University, Izmir (Turkey)

Session Chairs:

Dr. Mohammed Mahbubul Islam - Dhaka University of Engineering & Technology, Gazipur (Bangladesh)

Dr. Alpaslan Turgut–DokuzEylül University, Izmir (Turkey)

Google meet link of theoral session:

https://meet.google.com/odf-hcjp-aju

Oral session: Sunday19th December 2021

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

	Time	Presenter	ID and Title
	8:30am	**Prof.Dr. Adel Benchabane** University of Biskra	**Opening Speech by the Conference Chair**
1	8:45 am	**Md. As-AdAdib Rafi Ahsanullah** University of Science and Technology	**ID #39** Title: Effect of perforation and bulges on heattransfer performance of rectangularshapedpinfinheatsink. Raduan Rahman Redu, Md. As-AdAdib Rafi, Dr. Mohammad RejaulHaque, M MerajulHaque
2	9:00 am	**Dr. SaberHamimid** Setifuniversity, Algeria	**ID #40** Title: Double-diffusive convection for very light gases SaberHamimid, ManelFenni and Messaoud Guellal

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3	9:15 am	**Mr. Mostafa Wasif**	**ID #41** Title: Numericalanalysis of fluid flow and heattransfer in a liddrivencavitywith an optimizedshape and presence of inclinedmagneticfield Mostafa Wasif, Kawsar Ahmed Mishal , Mohammad RejaulHaque , M MerajulHaque, Fazlar Rahman
4	9:30 am	**Dr. NourElhoudaBeladjine** University Ibn Khaldoun, Tiaret, Algeria.	**ID #51** Title: Study of thermal and hydrodynamiccharacteristics of Nano-encapsulated phase change materials (NEPCMs) in multi layered enclosure. Manel Ait Yahia, NourElhoudaBeladjine, Mohamed Abdi, Fatima Zohra NadjdaBouhenni, LaliaAbirBouhenni, Amina Ouldmohamed.
5	9:45 am	**Dr. Manel Ait Yahia** University Ibn Khaldoun, Tiaret, Algeria	**ID #53** Title: Free convection of a suspension containing nano-encapsulated phase change material in a porouscavity; local thermal non-equilibrium model Amina Ould Mohamed, Mohamed Abdi, Fatima Zahra Bouhenni, Laila AbirBouhenni, Manel Ait Yahia, Nour El HoudaBeladjine.
6	10:00 am	**Dr. Fatima Zohra NedjdaBouhenni** University Ibn Khaldoun, Tiaret,Algeria.	**ID #54** Title: A Natural Convective Flow and Heat Transfer of Nano Encapsulated Phase Change Materials (NEPCMs) in a PorousEccentricAnnulus Fatima Zohra NedjdaBouhenni, LaliaAbirBouhenni , Mohamed Abdi, NourElhoudaBeladjine , Amina Ould Mohamed, Manel Ait Yahia
7	10:15 am	**Ms.AOUARYousra** University Ibn Khaldoun, Tiaret, Algeria	**ID #56** Title: Thermal studywithnanofluids of the single-walledcarbon nanotubes (swcnts) withinwavyporous direct absorber solar collector (wdasc) AouarYousra, BelfeddalAbdelbasset, Abdi Mohamed, Safi Abdelkader, BekhtaouiAbdelkarim
8	10:30 am	**Dr. Zohra Benharkat** University of Medea, Algeria	**ID #79** Title: Heat and mass convection for MHD rotatingfluidpast a semi-infinite vertical moving plate through a porous medium in presence of Hall effect and chemicalreaction Z. Benharkat
9	10:45 am	**Mr.BelfeddalAbdelbasset** University Ibn Khaldoun, Tiaret, Algeria	**ID #107** Title: A Mixed convection heattransfercharacteristics of Titaniumdioxide (TiO2)/water nanofluidwithin a blockedporouslid-drivencavity. B. Abdelbasset, B. Walid, A. Yousra, A. Mohamed, B. Abdelkarim.
10	11:00 am	**Mr. Baameur Walid** University Ibn Khaldoun, Tiaret	**ID #136** Title: The Free Convection heattransfer of single walledcarbon Nanotubes (SWCNT) with in a blockedporousgroovedcavity W.Baameur, M.abdi, S.Boutiche, A.Safi, A.Bekhtaoui, A.Belfeddal, Y.aouar
11	11:15 am	**Samir Mamache** Université de Bejaia, Bejaia, Algeria	**ID #178** Title: Thermal and thermosolutalinstabilities in a flow in the presence of a fluidimpacting on heated obstacles S. Mamache, F. Mendil, F. Nait Bouda
12	11:30 am	**Dr. Zemani Farah** USTO Mohamed Boudiaf, Oran, Algeria	**ID #250** Title: Effect of Aspect ratio on Rayleigh-Bénard convection in enclosures K. Kermach, O. Ladjedel

Poster session: Sunday19th December 2021

[From 11:30AM to 12:00 Algeria Time/ 16:30 to 17:00 BD Time]

	Presenter	ID, Title, Authors, Goggle Meet link
1	**Dr. ALI AGHA Hamza** University of Bejaia, Algeria.	**ID #109** Title: Effect of heatgeneration/absorption on non-Darcy convective flow of nanofluid in porous medium Hamza Ali Agha, AnnisAghbari
2	**KhadraHaouariZiane Achour** University of Djelfa, Djelfa, Algeria	**ID #111** Title: Effect of Heat and mass transfer H.Khadra ,K. Rahmani ,T. Naas https://meet.google.com/nxz-iytd-vdc
3	**MedjahedBendida** Université de Mostaganem, Algeria	**ID #129** Title: Numericalstudy of a heatexchangerusing a phase change material (PCM). BendidaMedjahed, Amine Haddam ,Valter Felix BucuaneEnio https://meet.google.com/abv-voas-jmm
4	**Dr. Mohamed ABDI** University of Tiaret, Tiaret, Algeria	**ID #153** Title: The heattransfer of suspension of TiO2/water Nanofluidsinside an inclinedporous square enclosure Mohamed Abdi, Amina Ould Mohamed, Khaled Chaib, Slimane Benferhat, AbdelfettahMenouer https://meet.google.com/epg-gsfg-wyv
5	**Mr. BelhouariBekhtaoui** University Ibn Khaldoun, Tiaret , Algeria	**ID #328** Title: Numericalstudy on Performance Improvement of A Flat Plate Solar Collector FilledWithPorousFoam. Abdelkader Safi, Abdi Mohamed, Samir Boutiche , Walid Baameur, AbdelbassetBelfeddal , YousraAouar https://meet.google.com/dvp-njvg-rhh
6	**Mr. Mohamed-AbdelbassitKheireddine** University of Biskra, Algeria	**ID #357** Title: Thermal performance of a direct evaporativecoolercoupledwith water-air heatexchanger. Application for farmerhouses in Biskra region M A. Kheireddine, A. Benchabane, M. Sevindir, H. Demir https://meet.google.com/xev-urex-fgr
7	**Mlle CHEFFAR Louiza** University of Bejaia, Bejaia, Algeria	**ID #164** Title: Analytical and numericalstudy of a pulsating flow of a Newtonianfluid in a cylindrical pipe under the effect of body acceleration. LouizaCheffar, Abdelhakim Benslimane https://meet.google.com/jhj-gebq-wai