



MATERIALS & ENERGY

INTERNATIONAL CONFERENCE ON MATERIALS & ENERGY

International Conference & Topical School

MATERIALS & ENERGY



Topical School : Posponed to October/November of the current year



	French time (-2hours)	07:00 08:00	08:00 08:30	08:30 09:00	09:00 09:30	09:45 10:45	11:20 12:20	12:25 12:55		13:00 13:30	15:30 15:40	15:45 14:15	14:25 15:25	15:30 14:00	16:00 16:15	16:15
	Baku local time	09:30 10:00	10:00 10:30	10:30 11:00	11:30 11:45	11:45 12:45	12:45 13:45	13:50 14:20		14:25 15:05	15:05 15:25	15:25 16:15	16:25 17:30	17:30 18:00	18:00 18:15	18:15
Monday May 23th		Registration	Opening ICOM22/ICTEA (MR)	Keynote N°1 Pr. A. BENYOUSSEF Chair: Pr.M.El Ganaoui	Coffee Break	Session A Chairs : Dr.C. Abidi; Dr.S.Morsli	Lunch Break	Keynote N°3 Pr. S. MERADJI Chair: Pr.H. Ageorges	Virtual Keynote N°4 Pr.D.BASSIR Chair Pr..B. Morrone	Coffee Break	Session B Chairs :Dr.R. Ichabani; Dr.S.Morsli	Session C Chairs : Pr.Y.A.Yussif I ; Dr.S.Morsli	Evaluation Committee (Best Presentation)	Informations / Closing Day (Second Room)	Free time activities	
Tuesday May 24th		Session D Chairs : Pr. M. El Ganaoui	Keynote N°5 Pr.Z. SEKKAT Chair: Pr. O. Chaalal	Coffee Break	Keynote N°6 Pr. H. ACEORGES Chair: Pr. S.Poncet	Session E Chairs : Pr.S. Gabli ; Pr.R.Bennacer	Lunch Break	Virtual Keynote N°7 Pr.A.LUKIN Chair: Pr.M.El Ganaoui	Coffee Break	Keynote N°9 Pr. B. MORRONE Chair: Pr. G. Ziskind	Session F Chairs : Pr.H. Ageorges ; Pr.R.Bennacer	Session G Chairs :Dr.R. Ichabani; Pr.R.Bennacer	Informations / Closing Day (Second Room)		Gala Dinner	
Wednesday May 25th		Committee / Sci. / Org.	Keynote N°10 Pr. A. ZAOUI Chair: Pr.A. Benyoussef	Virtual Keynote N°8 Pr. P. OCLON Chair : Pr.E.Souleymanov	Session H Chairs : Dr.A. Zaite; Pr.M.El Ganaoui	Session I Chairs : Dr.S.Morsli ; Pr.M.El Ganaoui	Session J Chairs : Pr.C.Abidi ; Pr.M.El Ganaoui	Lunch Break	Award & Closing Ceremony		Work groups Post Conf. activities Editorial activities Cooperation activities Chair: C.Bojji					

List of Session / corresponding Communication and time

ID	Authors	Title	Days	SESSION	Baku Time	Paris Time
260	Mactar Faye, Mame Cheikh Diouf, Ababacar Thiam and Vincent Sambou.	INVESTIGATION OF PHOTOVOLTAIC PROJECT IN THE CONTEXT OF WEST AFRICA: A CASE STUDY OF BAMBEY (SENEGAL)	23	Session A	11:45	9:45
1786	Marouane Essahraoui, Rachid El Bouayadi, Mohammed El Ganaoui and Aouatif Saad.	NUMERICAL STUDY ON THE EFFECT OF UPPER TAPER ANGLE UPON AHMED'S BODY TO REDUCE AERODYNAMIC DRAG.	23	Session A	11:53	9:53
3161	Rafik Absi	ON THE USE OF ADVANCED WALL FUNCTIONS FOR CFD IN RENEWABLE ENERGIES APPLICATIONS	23	Session A	12:01	10:01
3316	Dongxia Wu, Mourad Rahim, Wendong Li, Mohammed El Ganaoui, Rachid Bennacer and Bin Liu.	EFFECT OF PCM ON THE ENERGY AND HYGROTHERMAL PERFORMANCE OF A MULTILAYER BUILDING ENVELOPE	23	Session A	12:09	10:09
4366	Ratovonarivo Noarijaona, Andrianantenaina Marcelin Hajamalala and Belkacem Zeghmati.	NUMERICAL MODELING OF EVAPORATION OF NEWTONIAN FLUID FLOW IN ENCLOSED RECTANGULAR RESERVOIR WITH A HOLE	23	Session A	12:17	10:17
4368	Youssef Ezzizaoui, Maha Ayache and Mohamed Hamraoui.	INVERSE HEAT CONDUCTION TO ESTIMATE THE THERMAL DIFFUSIVITY OF MATERIALS	23	Session A	12:25	10:25
3414	Xiaoyan Ma, Rachid Bennacer and Longfei Chen	APPLICATIONS OF OPTICAL PARTICLE COUNTER IN ENVIRONMENTAL ENGINEERING	23	Session A	12:33	10:33
3597	Joseph Moussa, Chady El Hachem and Kamilia Abahri	ANALYSIS OF EXPANDED POLYSTYRENE MORTARS THERMAL BEHAVIOR USING IMAGING TECHNIQUES	23	Session A	12:41	10:41
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3464	Nihel Ben Zid and Mohammed El Ganaoui.	IMPROVING PERFORMANCE BY ADDING A MONOPHASIC EJECTOR TO THE BASIC ABSORPTION CYCLE	23	Session B	15:25	13:25
5802	Marouane Essahraoui, Rachid El Bouayadi, Mohammed El Ganaoui and Aouatif Saad	TWO DIMENSIONAL NUMERICAL STUDY OF THE EFFECT OF ROTATING CIRCULAR CYLINDER ON STEADY FLOW REGIME AT LOW REYNOLDS NUMBER.	23	Session B	15:33	13:33
7329	Majid El Kassaoui, Marwan Lakhal, Abdellah Benyoussef, Abdallah El Kenz and Mohammed	HYDROGEN STORAGE IN METAL-ORGANIC FRAMEWORK-5 (MOF-5)	23	Session B	15:41	13:41
9487	Maoulida Fahad, Mohamed Aboudou Kassim and Mohammed El Ganaoui	MODELING AND SIMULATION OF A HYBRIDE SYSTEM (PV/T) INTEGRATED TO THE ECO-CHALET PLATFORM	23	Session B	15:49	13:49
9809	Olle Michel Kam, Camel Tanougast and Harry Ramenah	SOFTWARE IMPLEMENTATION OF RENEWABLE ENERGY DATA ACQUISITION AND ANALYSIS BASED ON IOT SENSOR NETWORK FOR GLOBAL SOLAR IRRADIANCE OR WIND POWER DENSITY FORECASTING	23	Session B	15:57	13:57
649	Ibrahima Diaw, Mactar Faye, Stephane Hans, Vincent Sambou and Frederic Sallet	STUDY OF TYPHA PARTICLES FOR THEIR VALORIZATION IN BUILDING MATERIALS	23	Session B	16:05	14:05
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546	Insaf Mehrez, Houda Hachem, Lamis Allegue, Ramla Gheith and Abdelmajid Jenni.	PHYSICAL AND MECHANICAL PROPERTIES OF NEW INSULATION COMPOSITE	23	Session C	16:25	14:25
561	Hafida Er-Rradi, Imane Bouchebra, Rachida Idchabani, Asmaa Doublali and Chakib Bojji.	THE EFFECT OF WOOD WASTE ON THERMAL AND MECHANICAL PROPERTIES OF REINFORCED PLASTER	23	Session C	16:33	14:33
582	Azita Alebouyeh, Afshin Pourahmad and Hassan Kefayati.	SYNTHESIS OF MTW/MOF NANOCOMPOSITE FOR REMOVAL OF METHYLENE BLUE	23	Session C	16:41	14:41
659	Wendong Li, Mourad Rahim, Dongxia Wu, Mohammed El Ganaoui and Rachid Bennacer.	HYGROTHERMAL BEHAVIOR ANALYSIS OF AN INTEGRAED ENVELOPE BASED ON PCM AND HEMP LIME CONCRETE	23	Session C	16:49	14:49
950	Baris Burak Kanbur, Yi Zhou, Mun Hoe Seat, Martin Ryhl Kaern, Wiebke Brix Markussen and	HIGH-TEMPERATURE COOLING VIA METAL 3D-PRINTED COLD PLATES FOR BATTERY THERMAL MANAGEMENT	23	Session C	16:57	14:57
990	Naima Kraraz, Khadija Safer, Amina Sabeur and Ahmed Ouadha.	A NUMERICAL SIMULATION OF TURBULENT DIFFUSION BIOGAS FLAMES BLENDED WITH H2 IN THE PRESSURE RANGE OF 1 - 10 ATM	23	Session C	17:05	15:05
7129	Bechir Chaouachi	DESIGN, MODELING AND SIMULATION OF A MULTI-CONCENTRATOR SOLAR WATER HEATER	23	Session C	17:13	15:13
2722	Ali Javaid, Aamir Naveed, Muhammad Sajid, Emad Uddin, Yasar Ayaz and Adeel Waqas.	DESIGN OF HYBRID ENERGY HARVESTING SYSTEM - SOLAR AND HYDRO-PIEZOELECTRIC	23	Session C	17:21	15:21
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1268	Bezandry Germain, Fanjirindratovo Tovondahiniriko, Randrianarivelo Raymond, Belkacem Zeghmati, Marcelin Hajamalala Andrianantenaina and Attoumani Abdallah	NUMERICAL MODELING OF EVAPORATION BY 3D NATURAL CONVECTION AROUND A ROTATING SLANTED CONE	24	Session D	9:15	7:15
4437	Kenza Brahma, Mustafa Fekhar, Rachid Saci and Kacem Mansouri	MANSOURI THE SENSITIVITY OF CONFINED VORTEX FLOWS TO TEMPERATURE INHOMOGENEITIES	24	Session D	9:23	7:23
2337	Ramzi Fenouche and Ahmed Ouadha.	FLOW AND HEAT TRANSFER FEATURES DURING PROPANE (R290) AND ISOBUTANE (R600A) BOILING IN A TUBE	24	Session D	9:31	7:31
2906	Malika Seddik Bouchouicha and Amina Sabeur.	NUMERICAL STUDY OF CONDUCTING FIN IN A RECTANGULAR CAVITY COMPOSED OF SEVERAL WAVY SHAPE	24	Session D	9:39	7:39
3421	Abdelkadir Zaitte, Naoual Belouaggadia, Cherifa Abid, Ahmed Kais and Hussein Kanso.	PARAMETRIC ANALYSIS OF A WATER-BASED PHOTOVOLTAIC-THERMAL COLLECTOR INTEGRATED NIGHT RADIATIVE COOLING	24	Session D	9:47	7:47
4178	Lahoucine Ouhssaine and Mohammed El Ganaoui.	ADAPTIVE MODEL FOR COMBINED PV/THERMAL SOLAR SYSTEM AND LITHIUM-ION BATTERY STORAGE UNIT	24	Session D	9:55	7:55
2149	Khalid Chtaibi, Mohammed Hasnaoui, Haikel Ben Hamed, Yousef Dahani and Abdelkhalek Amahmid.	3D MULTIPLE-RELAXATION-TIME LATTICE BOLTZMANN MODEL TO INVESTIGATE THE INTERACTION BETWEEN CONVECTION AND MAGNETIC FIELDS IN A CUBIC CAVITY FILLED WITH A FERROFLUID AND PROVIDED WITH MULTIPLE HEATING SOURCES	24	Session D	10:03	8:03
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4380	Feriel Mustapha, Damien Guilbert and Mohammed El Ganaoui.	ALKALINE WATER ELECTROLYSIS: A SHORT REVIEW OF THE IMPACT OF THE ELECTROLYZER'S GEOMETRY ON PERFORMANCE	24	Session E	11:35	9:35
5251	Maha Ayache, Youssef Ezzizaoui and Mohamed Hamraoui	THE IMPACT OF THE LEVENBERG MARQUARDT'S DAMPING FACTOR ON THE IDENTIFICATION OF THE THERMAL CONTACT RESISTANCE IN MULTILAYER ELECTRONIC STRUCTURES	24	Session E	11:43	9:43
5802	Marouane Essahraoui, Rachid El Bouayadi, Mohammed El Ganaoui and Aouatif Saad	TWO DIMENSIONAL NUMERICAL STUDY OF THE EFFECT OF ROTATING CIRCULAR CYLINDER ON STEADY FLOW REGIME AT LOW REYNOLDS NUMBER.	24	Session E	11:51	9:51
6241	Saeed Iqbal, Sehrish Shah Nawaz, Muhammad Sajid, Muhammad Jawad Khan, Yasar Ayaz and Nahla Taher, Larbi Afif and Nahla Bouaziz	NOVEL TECHNIQUE FOR PHOTOVOLTAIC EFFICIENCY IMPROVEMENT THROUGH NON-CONTACT ORIENTATION MONITORING	24	Session E	11:59	9:59
6938		ENERGY ANALYSIS AND PERFORMANCE OPTIMIZATION OF SOLAR MODIFIED KALINA CYCLE	24	Session E	12:07	10:07
7737	Yassine Soutgan, Hamid El Qarnia, Abdelhamid Kheiri and Mohammed Khalij	COMPARATIVE STUDY OF TWO THERMAL STORAGE SYSTEMS USING SYNTHETIC OIL ALONE AND ROCKS AND OIL AS STORAGE MEDIA	24	Session E	12:15	10:15
3635	Asmaa Doublali, Jilbab Abdellilah, Idchabani Rachida, Bojji Chakib and Hafida Erradi.	WIRELESS SENSOR NETWORK FOR REAL-TIME BUILDING TEMPERATURE ACQUISITION	24	Session E	12:23	10:23
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2930	Farah Zemani and Amina Sabeur.	NUMERICAL SIMULATION OF AL2O3- WATER NANOFIUIDS NATURAL CONVECTION IN A PARTITIONED ENCLOSURE HEATED FROM BELOW AND SYMMETRICALLY COOLED FROM THE SIDES	24	Session F	15:40	13:40
2938	Ghilen Najeh, Gabsi Slimane, El ganaoui Mohammed and Benelmir Riad.	IMPROVEMENT OF AN ADSORPTION SYSTEM AND ITS ADAPTATION TO THE TUNISIAN CLIMATE	24	Session F	15:48	13:48
3455	Ali Javaid, Saeed Iqbal, Muhammad Sajid, Emad Uddin, Yasar Ayaz and Adeel Waqas.	DATA-DRIVEN ANALYSIS OF WIND TURBINE SELECTION FOR SUBURBAN AREAS: A CASE STUDY FOR ISLAMABAD	24	Session F	15:56	13:56

406	Victor Abrukov and Darya Anufrieva	HIGH-ENERGETIC MATERIALS GENOME	24	Session F	16:04	14:04
8370	Aicha Idoum, Lahcen Bammou and Ahmed Aharoune	STUDY OF THE TRIASSIC CLAY FROM WESTERN HIGH ATLAS OF MOROCCO AS BUILDING MATERIALS	24	Session F	16:12	14:12
8635	Boussoufi Mustapha and Sabeur Amina	ENTROPY ANALYSIS OF CONVECTIVE NANOFUID FLOW IN AN ANNULAR SPACE BETWEEN CONFOCAL ELLIPTIC CYLINDERS	24	Session F	16:20	14:20
9855	Farah Zemani, Amina Sabeur and Omar Ladjedel	NATURAL CONVECTION OF CUO- WATER NANOFUID IN U-SHAPED ENCLOSURE WITH A Y-SHAPED BAFFLE	24	Session F	16:28	14:28
3013	Mohamed Amine Tounsi.	MECHANICAL AND THERMAL BEHAVIOR OF BIOBASED MATERIALS CONSTRUCTION: A REVIEW	24	Session F	16:36	14:36
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963	Ibtissem Boumnijel, Houda Hechem, Najwa Hamdi, Mohammed El-Ganaoui and Daoued	REMOVAL OF 8-HYDROXYQUINOLINE-5-SULFONIC ACID (8-HQS) BY A SEQUENTIAL HETEROGENEOUS FENTON / ADSORPTION PROCESS USING A MICROWAVE-FABRICATED IRON-COATED PERLITE AS CATALYST	24	Session G	16:40	14:40
1286	Ikram Belmehdi, Boumediene Beladjine and Mohamed Djermouni.	HYDROGEN PRODUCTION USING STEAM METHANE REFORMING	24	Session G	16:48	14:48
2839	Houda Hachem, Ibtissem Boumnijel, Insaf Mehrez, Daoued Mihoubi and Mohammed El	MODELING OF THE DRYING PROCESS DURING THE PREPARATION OF ARUNDO DONAX LEAVES REINFORCED CEMENT MORTAR COMPOSITE	24	Session G	16:56	14:56
3049	Mohamed Djermouni and Ahmed Ouadha.	THERMODYNAMIC ANALYSIS OF METHANOL, AMMONIA, AND HYDROGEN AS ALTERNATIVE FUELS IN HCCI ENGINES	24	Session G	17:04	15:04
3902	Brahim Amahan, Hamid El Qarnia and Ali El Affif.	EFFECT OF THERMAL PROPERTIES OF A FINNED WALL ON THE MELTING PROCESS INSIDE A RECTANGULAR ENCLOSURE HEATED BY PULSED HEAT SOURCES	24	Session G	17:12	15:12
4299	Mostefa Tounsi Ikram and Amina Sabeur.	NUMERICAL ANALYSIS OF INDOOR AIR QUALITY IN AN OPEN ROOM: EFFECT OF THE OUTLET OPENING.	24	Session G	17:20	15:20
4043	Nadjet Bouhelal and Yamina Mebdoua.	SYNTHESIS OF THERMOELECTRIC HIGHER MANGANESE SILICIDE BY TUNGSTEN INERT GAS WELDING PROCESS	24	Session G	17:28	15:28
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5735	Sara Maadadi, Yamina Mebdoua, Nadjet Bouhelal, Manal Chalabi, Jean Michel Nunzi and Khaled Said, Ahmed Ouadha and Amina Sabeur	THERMAL SPRAYED AL COATING ON WOOD AND GLASS SUBSTRATES, APPLICATION TO PHOTOVOLTAIC CELL	25	Session H	11:00	9:00
6572	Mahdi Goucem	EFFECT OF VENTILATION ON OCCUPANT THERMAL COMFORT, CONTAMINANT DISTRIBUTION AND ENTROPY PRODUCTION INSIDE A VENTILATED ENCLOSURE: A COMPUTATIONAL STUDY.	25	Session H	11:08	9:08
6977	Salma Lahmar, Rachida Idchabani and Mostafa Maalmi	NUMERICAL INVESTIGATION OF THE SURGE PHENOMENON OF A CENTRIFUGAL COMPRESSOR 2BCL606A	25	Session H	11:16	9:16
8479	Hayat El Baamrani, Lahcen Bammou, Ahmed Aharoune and Abdallah Boukhris	APPLICATION OF ADAPTIVE SAMPLING STRATEGY IN BUILDING DESIGN OPTIMIZATION	25	Session H	11:24	9:24
8545	Saad Adjal, Sabiha Aklouche Benouagouef and Belkacem Zeghmati	HEAT AND MASS TRANSFER THROUGH MIXED CONVECTION IN A VERTICAL CHANNEL	25	Session H	11:32	9:32
8726	Penghui Yang, Rong Wang and Hanguang Fu	HEAT TRANSFER PHENOMENA OF NATURAL CONVECTION IN A POROUS AND INCLINED CAVITY	25	Session H	11:40	9:40
8877	Mehtali Ketfi and Ahmed Ouadha	WEAR BEHAVIOR OF TITANIUM MICROALLOYING CARBIDIC AUSTEMPERED DUCTILE IRON AND REFINING MECHANISM OF TIC ON M3C	25	Session H	11:48	9:48
9436		THERMODYNAMIC-BASED COMPARISON OF ORC, TFC AND OFC-BASED SYSTEMS FOR WASTE HEAT RECOVERY	25	Session H	11:56	9:56
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4250	Kolthoum Missaoui, Nader Frikha, Abdelhamid Kheiri, Slimane Gabsi and El-Ganaoui Mohammed.	STUDY AND ANALYSIS OF A TWO-BED SILICA GEL/WATER ADSORPTION CHILLER	25	Session I	11:55	9:55
4549	Umer Javaid, Rida Maryam, Muhammad Sajid, Sara Ali and Muhammad Rashid.	AUTONOMOUS INDOOR ENVIRONMENT MONITORING SYSTEM USING DEEP LEARNING	25	Session I	12:03	10:03
4654	Sèmako Justin Dedewanou, Adjimon Vincent Monwanou, Aimé Audran Koukpedji, Hodevèwan Clément Miwadinou, Amoussou Laurent Hinvi and Jean Bio Chabi Orou	THERMAL CONVECTIVE INSTABILITY AND CHAOS IN A ROTATING HYBRID NANOFUID LAYER WITH CATTANEO-CHRISTOV HEAT FLUX MODEL	25	Session I	12:11	10:11
5887	Liu Bin, Xiaofang Shan, Zhongsheng Zhu and Rachid Bennacer	ANALYSIS OF THE HEAT TRANSFER IN ELECTRONIC RADIATOR FILLED WITH METAL FOAM	25	Session I	12:19	10:19
6605	Belhadj Senini Lina Wafaa and Amina Sabeur	HEAT TRANSFER AND FLUID FLOW SIMULATION OF DIFFERENT NANO-FLUIDS IN MICRO-CYLINDER-GROUPS	25	Session I	12:27	10:27
7193	Fahad Ahmed, Muhammad Sajid, Emad Uddin and Raja Amer Azim	OPTIMIZING EFFICIENCY OF SOLAR PVC BY WATER COOLING AT VARYING WIND SPEEDS USING AI	25	Session I	12:35	10:35
8741	Abdelghani Boukkreris, Abdelkader Mekri and Ali Hennad	NUMERICAL MODELING OF PHOTOIONIZATION IN PLASMA DISCHARGE BY USING NEW METHODS	25	Session I	12:43	10:43
2579	Soud Morsli, Harry Ramenah, Mohammed El Ganaoui and Rachid Bennacer.	EVALUATION OF THE PERFORMANCE OF VENTILATION SYSTEMS FOR BUILDING APPLICATIONS	25	Session I	12:51	10:51
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8901	Zakaria Korei and Smail Benissaad	NUMERICAL ANALYSIS OF HEAT TRANSFER AND PRESSURE DROP OF JET IMPINGEMENT COOLING A HOT PLATE OPERATING WITH A POROUS LAYER AND TERNARY NANOFUIDS	25	Session J	11:55	9:55
9480	Jihad Labrousse	HYDROGEN MOLECULE CAPACITY PHYSISORPTION ON BC3 MONOLAYER: FIRST-PRINCIPLES CALCULATIONS	25	Session J	12:03	10:03
9668	Hassaan Idrees, Muhammad Sajid, Sara Ali and Waqas Khalid	NUMERICAL INVESTIGATION OF FLOW AROUND A DOUBLE-SLIT CYLINDER	25	Session J	12:11	10:11
9687	Marwa El Yassi, Ikram Darcherif, Alexandre Pierre and Yannick Mélinge	EXPERIMENTAL AND NUMERICAL STUDY OF A PLASTER WITH PHASE CHANGE MATERIALS	25	Session J	12:19	10:19
5203	Aiqiang Chen, Haoyan Zhang, Jianfei Song, Bin Liu and Chensi Zhang	MARANGONI CONVECTION IN EVAPORATING MENISCUS WITH VARIOUS CROSS-SECTIONAL GEOMETRIES	25	Session J	12:27	10:27
6715	Mostapha Tarfaoui and Owaisur Shah	COMPOSITE MATERIALS AND MARINE RENEWABLE ENERGY: THE CASE OF A FLOATING WIND TURBINE COMPOSITE BLADE	25	Session J	12:35	10:35
8893	Abdelkerim Kaddour and Ahmed Ouadha	NUMERICAL STUDY OF THE FLOW IN A TWO-PHASE NOZZLE FOR TRILATERAL FLASH CYCLE APPLICATIONS.	25	Session J	12:43	10:43
8045	Nour El Houda Ben Mustapha, Ibtissem Boumnijel, Mohamed El Ganaoui and Daoued Mihoubi	EXPERIMENTAL STUDY OF ENEXPERIMENTAL STUDY OF ENERGY CONSUMPTION IN COMBINED DRYING METHODERGY CONSUMPTION IN COMBINED DRYING METHOD	25	Session J	12:51	10:51
8292	Salma Kouzzi, Feriel Mustapha and Mohammed El Ganaoui	A COMPARISON OF BUILDING ENERGY POLICIES IN MOROCCO SPAIN AND FRANCE: PROGRESS OF THE TRANSCRIPTION OF ENERGY EFFICIENCY REQUIREMENTS FOR BUILDINGS IN THREE MEDITERRANEAN COUNTRIES	25	Session J	12:59	10:59

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3161	Session A	ON THE USE OF ADVANCED WALL FUNCTIONS FOR CFD IN RENEWABLE ENERGIES APPLICATIONS	23	12:01	10:01
3316	Session A	EFFECT OF PCM ON THE ENERGY AND HYGROTHERMAL PERFORMANCE OF A MULTILAYER BUILDING ENVELOPE	23	12:09	10:09
3414	Session A	APPLICATIONS OF OPTICAL PARTICLE COUNTER IN ENVIRONMENTAL ENGINEERING	23	12:33	10:33

3421	Session D	PARAMETRIC ANALYSIS OF A WATER-BASED PHOTOVOLTAIC-THERMAL COLLECTOR INTEGRATED NIGHT RADIATIVE COOLING	24	9:47	7:47
3455	Session F	DATA-DRIVEN ANALYSIS OF WIND TURBINE SELECTION FOR SUBURBAN AREAS: A CASE STUDY FOR ISLAMABAD	24	15:56	13:56
3464	Session B	IMPROVING PERFORMANCE BY ADDING A MONOPHASIC EJECTOR TO THE BASIC ABSORPTION CYCLE	23	15:33	13:33
3597	Session A	ANALYSIS OF EXPANDED POLYSTYRENE MORTARS THERMAL BEHAVIOR USING IMAGING TECHNIQUES	23	12:41	10:41
3635	Session E	WIRELESS SENSOR NETWORK FOR REAL-TIME BUILDING TEMPERATURE ACQUISITION	24	12:23	10:23
3902	Session G	EFFECT OF THERMAL PROPERTIES OF A FINNED WALL ON THE MELTING PROCESS INSIDE A RECTANGULAR ENCLOSURE HEATED BY PULSED HEAT SOURCES	24	17:12	15:12
4043	Session G	SYNTHESIS OF THERMOELECTRIC HIGHER MANGANESE SILICIDE BY TUNGSTEN INERT GAS WELDING PROCESS	24	17:28	15:28
4178	Session D	ADAPTIVE MODEL FOR COMBINED PV/THERMAL SOLAR SYSTEM AND LITHIUM-ION BATTERY STORAGE UNIT	24	9:55	7:55
4250	Session I	STUDY AND ANALYSIS OF A TWO-BED SILICA GEL/WATER ADSORPTION CHILLER	25	11:55	9:55
4299	Session G	NUMERICAL ANALYSIS OF INDOOR AIR QUALITY IN AN OPEN ROOM: EFFECT OF THE OUTLET OPENING.	24	17:20	15:20
4366	Session A	NUMERICAL MODELING OF EVAPORATION OF NEWTONIAN FLUID FLOW IN ENCLOSED RECTANGULAR RESERVOIR WITH A HOLE	23	12:17	10:17
4368	Session A	INVERSE HEAT CONDUCTION TO ESTIMATE THE THERMAL DIFFUSIVITY OF MATERIALS	23	12:25	10:25
4380	Session E	ALKALINE WATER ELECTROLYSIS: A SHORT REVIEW OF THE IMPACT OF THE ELECTROLYZER'S GEOMETRY ON PERFORMANCE	24	11:35	9:35
4437	Session D	MANSOURI THE SENSITIVITY OF CONFINED VORTEX FLOWS TO TEMPERATURE INHOMOGENEITIES	24	9:23	7:23
4549	Session I	AUTONOMOUS INDOOR ENVIRONMENT MONITORING SYSTEM USING DEEP LEARNING	25	12:03	10:03
4654	Session I	THERMAL CONVECTIVE INSTABILITY AND CHAOS IN A ROTATING HYBRID NANOFLUID LAYER WITH CATTANEO-CHRISTOV HEAT FLUX MODEL	25	12:11	10:11
5203	Session J	MARANGONI CONVECTION IN EVAPORATING MENISCUS WITH VARIOUS CROSS-SECTIONAL GEOMETRIES	25	12:27	10:27
5251	Session E	THE IMPACT OF THE LEVENBERG MARQUARDT'S DAMPING FACTOR ON THE IDENTIFICATION OF THE THERMAL CONTACT RESISTANCE IN MULTILAYER ELECTRONIC STRUCTURES	24	11:43	9:43
5735	Session H	THERMAL SPRAYED AL COATING ON WOOD AND GLASS SUBSTRATES, APPLICATION TO PHOTOVOLTAIC CELL	25	11:00	9:00
5802	Session B	TWO DIMENSIONAL NUMERICAL STUDY OF THE EFFECT OF ROTATING CIRCULAR CYLINDER ON STEADY FLOW REGIME AT LOW REYNOLDS NUMBER.	23	15:41	13:41
5802	Session E	TWO DIMENSIONAL NUMERICAL STUDY OF THE EFFECT OF ROTATING CIRCULAR CYLINDER ON STEADY FLOW REGIME AT LOW REYNOLDS NUMBER.	24	11:51	9:51
5887	Session I	ANALYSIS OF THE HEAT TRANSFER IN ELECTRONIC RADIATOR FILLED WITH METAL FOAM	25	12:19	10:19
6241	Session E	NOVEL TECHNIQUE FOR PHOTOVOLTAIC EFFICIENCY IMPROVEMENT THROUGH NON-CONTACT ORIENTATION MONITORING	24	11:59	9:59
6572	Session H	EFFECT OF VENTILATION ON OCCUPANT THERMAL COMFORT, CONTAMINANT DISTRIBUTION AND ENTROPY PRODUCTION INSIDE A VENTILATED ENCLOSURE: A COMPUTATIONAL STUDY.	25	11:08	9:08
6605	Session I	HEAT TRANSFER AND FLUID FLOW SIMULATION OF DIFFERENT NANO-FLUIDS IN MICRO-CYLINDER-GROUPS	25	12:27	10:27
6715	Session J	COMPOSITE MATERIALS AND MARINE RENEWABLE ENERGY: THE CASE OF A FLOATING WIND TURBINE COMPOSITE BLADE	25	12:35	10:35
6938	Session E	ENERGY ANALYSIS AND PERFORMANCE OPTIMIZATION OF SOLAR MODIFIED KALINA CYCLE	24	12:07	10:07
6977	Session H	NUMERICAL INVESTIGATION OF THE SURGE PHENOMENON OF A CENTRIFUGAL COMPRESSOR 2BCL606A	25	11:16	9:16

7129	Session C	DESIGN, MODELING AND SIMULATION OF A MULTI-CONCENTRATOR SOLAR WATER HEATER	23	17:13	15:13
7193	Session I	OPTIMIZING EFFICIENCY OF SOLAR PVC BY WATER COOLING AT VARYING WIND SPEEDS USING AI	25	12:35	10:35
7329	Session B	HYDROGEN STORAGE IN METAL-ORGANIC FRAMEWORK-5 (MOF-5)	23	15:49	13:49
7737	Session E	COMPARATIVE STUDY OF TWO THERMAL STORAGE SYSTEMS USING SYNTHETIC OIL ALONE AND ROCKS AND OIL AS STORAGE MEDIA	24	12:15	10:15
8045	Session J	EXPERIMENTAL STUDY OF ENEXPERIMENTAL STUDY OF ENERGY CONSUMPTION IN COMBINED DRYING METHODERGY CONSUMPTION IN COMBINED DRYING METHOD	23	12:51	10:51
8292	Session J	A COMPARISON OF BUILDING ENERGY POLICIES IN MOROCCO SPAIN AND FRANCE: PROGRESS OF THE TRANSCRIPTION OF ENERGY EFFICIENCY REQUIREMENTS FOR BUILDINGS IN THREE MEDITERRANEAN COUNTRIES	23	12:59	10:59
8370	Session F	STUDY OF THE TRIASSIC CLAY FROM WESTERN HIGH ATLAS OF MOROCCO AS BUILDING MATERIALS	24	16:12	14:12
8479	Session H	APPLICATION OF ADAPTIVE SAMPLING STRATEGY IN BUILDING DESIGN OPTIMIZATION	25	11:24	9:24
8545	Session H	HEAT AND MASS TRANSFER THROUGH MIXED CONVECTION IN A VERTICAL CHANNEL	25	11:32	9:32
8635	Session F	ENTROPY ANALYSIS OF CONVECTIVE NANOFLUID FLOW IN AN ANNULAR SPACE BETWEEN CONFOCAL ELLIPTIC CYLINDERS	24	16:20	14:20
8726	Session H	HEAT TRANSFER PHENOMENA OF NATURAL CONVECTION IN A POROUS AND INCLINED CAVITY	25	11:40	9:40
8741	Session I	NUMERICAL MODELING OF PHOTOIONIZATION IN PLASMA DISCHARGE BY USING NEW METHODS	25	12:43	10:43
8877	Session H	WEAR BEHAVIOR OF TITANIUM MICROALLOYING CARBIDIC AUSTEMPERED DUCTILE IRON AND REFINING MECHANISM OF TIC ON M3C	25	11:48	9:48
8893	Session J	NUMERICAL STUDY OF THE FLOW IN A TWO-PHASE NOZZLE FOR TRILATERAL FLASH CYCLE APPLICATIONS.	23	12:43	10:43
8901	Session J	NUMERICAL ANALYSIS OF HEAT TRANSFER AND PRESSURE DROP OF JET IMPINGEMENT COOLING A HOT PLATE OPERATING WITH A POROUS LAYER AND TERNARY NANOFLUIDS	25	11:55	9:55
9436	Session H	THERMODYNAMIC-BASED COMPARISON OF ORC, TFC AND OFC-BASED SYSTEMS FOR WASTE HEAT RECOVERY	25	11:56	9:56
9480	Session J	HYDROGEN MOLECULE CAPACITY PHYSISORPTION ON BC3 MONOLAYER: FIRST-PRINCIPLES CALCULATIONS	25	12:03	10:03
9487	Session B	MODELING AND SIMULATION OF A HYBRIDE SYSTEM (PV/T) INTEGRATED TO THE ECO-CHALET PLATFORM	23	15:57	13:57
9668	Session J	NUMERICAL INVESTIGATION OF FLOW AROUND A DOUBLE-SLIT CYLINDER	25	12:11	10:11
9687	Session J	EXPERIMENTAL AND NUMERICAL STUDY OF A PLASTER WITH PHASE CHANGE MATERIALS	25	12:19	10:19
9809	Session B	SOFTWARE IMPLEMENTATION OF RENEWABLE ENERGY DATA ACQUISITION AND ANALYSIS BASED ON IOT SENSOR NETWORK FOR GLOBAL SOLAR IRRADIANCE OR WIND POWER DENSITY FORECASTING	23	16:05	14:05
9855	Session F	NATURAL CONVECTION OF CUO- WATER NANOFLUID IN U-SHAPED ENCLOSURE WITH A Y-SHAPED BAFFLE	24	16:28	14:28
72 ICTEA	Session D	SWIRLING FLOWS CHARACTERISTICS IN A CYLINDER UNDER EFFECT OF BUOYANCY	24	9:23	7:23