

21èmes Journées Internationales de Thermique — JITH 2026

Programme · 3 – 6 novembre 2026

Communication orale longue · 15 min

Communication orale courte · 5 min

Participation non confirmée

ID = numéro de la communication. Rose : aucun auteur n'a confirmé sa participation (11 communications).

MARDI 3 NOVEMBRE 2026 — ACCUEIL

Horaire	ID	Activité / Communication
14h00–19h00		Accueil, enregistrement et inscription des participants aux JITH 2026

MERCREDI 4 NOVEMBRE 2026 — JOUR 1

Horaire	ID	Activité / Communication
08h30–09h00		Accueil, enregistrement et inscription des participants aux JITH 2026, suite
09h00–09h30		Cérémonie d'ouverture
09h30–10h15		Président Session 1 : Prof. Afif ELCAFSI Conférence plénière 1 : Prof. Chiheb BOUDEN « Hydrogène vert : situation actuelle, tendances de marché et axes porteurs pour la recherche et le développement » <i>École Nationale d'Ingénieurs de Tunis</i> (30 mn exposé + 15 mn discussion)
10h15–10h45		<i>Pause café</i>
10h45–13h00		SÉANCE 1 — Communications orales (9 communications · 15 min chacune)
10h45–11h00	112	A coupled electrical, thermal, and electrochemical models of an integrated PVT-PEM electrolyzer system for green hydrogen production <i>Sirine SAIDI, Taoufik BRAHIM, Oussama REJEB, Abdelmajid JEMNI</i>
11h00–11h15	137	Performance and Exergy Assessment of a Trigeneration System Integrating SOFC-NH ₃ /H ₂ O Absorption Chiller <i>Mariam HENTATI, Amal ELLEUCH, Kamel HALOUANI</i>
11h15–11h30	115	Étude comparative des systèmes PV/PEM et PVT à eau/PEM sous les conditions climatiques de Monastir <i>Oussama REJEB, Sirine SAIDI, Taoufik BRAHIM, Abdelmajid JEMNI</i>
11h30–11h45	81	Numerical modeling of the heat transfer in a pool boiling experiment near the onset of nucleate boiling in case of a single nucleation site <i>Hervé COMBEAU, Jules DAUBIGNY, Louis GEMARIN, Lounès TADRIST</i>
11h45–12h00	119	Numerical study of thermo-hydraulic and exergy performance of CuO/water nanofluid in finned cylindrical minichannel <i>Hana OURI, Brahim KALECH, Mourad BOUTERAA</i>
12h00–12h15	134	Predicting Occupant Thermal Sensation using Machine Learning: comparative approach by Random Forest, SVM and XGBoost <i>Naoual BEN YACHRAK, Driss TAOUKIL</i>
12h15–12h30	158	Exergy Efficiency Study of a Triplex Tube Thermal Energy Storage Unit under Varying Eccentricity and Mass Flow Conditions <i>Omar ENNAYA, Hamid EL QARNIA, Mustafa BENYOUSEF, Hamza ELOUIZI, Malika BOUFKRI, Ayoub NABBAGUI, Layla FOURA</i>
12h30–12h45	61	Prévision en temps réel de la dynamique des feux en milieu confiné par méthodes d'assimilation de données <i>Oualid IKHOU, Wilfried STEFIC, Anaïs GAUTIER, Kevin VARRALL, Olivier VAUQUELIN</i>
12h45–13h00	103	Hybrid Renewable Energy Systems for Green Hydrogen and Desalinated Water Production: A Case Study of Gabes, Tunisia <i>Khalil LASFAR, Nizar BEN EZZINE, Ahmed BELLAGI</i>

Horaire	ID	Activité / Communication
13h00–14h00	Déjeuner	
14h00–14h45	Président Session 2 : Prof. Amor BOUHDJAR Conférence plénière 2 : Prof. Abdallah KHELLAF « Integration of Artificial Intelligence techniques in the hydrogen value chain » <i>Renewable Energy Development Center CDER, Algeria</i> (30 mn exposé + 15 mn discussion)	
14h45–16h15	SÉANCE 2 — Communications orales courtes (18 communications · 5 min chacune)	
14h45–14h50	211	Comparative Assessment of PINN and Volume-Weighted PINN for Lid-Driven Cavity Flow at moderate Reynolds numbers <i>Ghada HOSNI, Yassine BARHOUMI, Brahim BEN-BEYA</i>
14h50–14h55	84	Comparative Analysis of Bio-Composites from Tea and Coffee Waste Materials for Sustainable Applications: A Study in a Cement Matrix <i>Insaf MEHREZ, Houda HACHEM, Ramla GHEITH, Abdelmajid JEMNI</i>
14h55–15h00	41	Planck Numerical simulation of natural drying of cork using the TransPore model (Lisbon/Tunis) <i>Oumayma OMRI, Romain REMOND, Soufien AZZOUZ, Mohamed Tahar ELAIEB</i>
15h00–15h05	108	Experimental study of hygrothermal, thermal and acoustic properties of clay–date palm fiber composites <i>Rayen ZEIRI, Soufien AZZOUZ, Saber NASRAOUI</i>
15h05–15h10	154	Effective moisture diffusivity of Beetroot (<i>Beta vulgaris</i> L.) from convective drying curves with shrinkage correction <i>Thouraya GHNIMI, Lamine HASSINI, Emna BETTAIEB</i>
15h10–15h15	149	Enhanced Natural Convection Heat Transfer with NePCM Suspension and Wavy Cooling Walls in a Partially Porous Square Cavity <i>Ayoub NABBAGUI, Youssef DAHANI, Abdelkhalek AMAHMID, Layla FOURA, Malika BOUFGRI, Mohammed HASNAOUI</i>
15h15–15h20	153	Transient Conjugate Heat Transfer in a Partitioned Cavity with Hybrid Cooling Based on Natural Convection, Radiation and NEPCM <i>Hamza ELOUIZI, Lahcen EL MOUTAOUKIL, Mohammed BOUKENDIL, Omar ENNAYA, Ayoub NABBAGUI</i>
15h20–15h25	94	Exergy Assessment of a Hybrid Biomass Gasification–Solid Oxide Electrolysis System for Power-to-Methane Production <i>Ibtihel SOUISSI, Najla GRIQUI, Amal ELLEUCH, Kamel HALOUANI</i>
15h25–15h30	70	A Study of the temporal dynamics of melting of a phase-change material in a porous medium using LBM-REV modeling <i>Mohamed Amine BEN AMARA, Nour SGHAIER</i>
15h30–15h35	162	Experimental and numerical assessment of vegetated courtyard soil evapotranspiration on building energy performance across Moroccan climate zones <i>Omar CHARIF, Adnane M'SAOURI EL BAT, Zaid ROMANI, Abdeslam DRAOUI</i>
15h35–15h40	210	Combined Effects of Internal Heat Generation and Soret-Driven Thermodiffusion on Natural Convection in a Square Cavity <i>Safae HASNAOUI, Abdelkhalek AMAHMID, Abdelghani RAJI, Othmane TAZMAITE, Mohammed ER-RAKI, Abderrahim BAZGAOU, Mohammed HASNAOUI</i>
15h40–15h45	165	Enhancing the Performance of LiBr–H ₂ O Absorption Cooling Systems Using Low-Pressure Vapor Compression Assistance <i>Mohamed M'madi Hassane, Yousra FILALI-BABA, Ahmed AL MERS, Boutammachte Noureddine</i>
15h45–15h50	133	Numerical analysis of a hybrid solar-assisted dual-source heat pump system for residential heating <i>Ridha CHARGUI</i>
15h50–15h55	101	Phytochemical Analysis and Statistical Study of Myrtle Extracts Obtained by Convective Drying <i>Oumaima BERRICH, Soufien AZZOUZ, Lamia HAMROUNI</i>
15h55–16h00	161	Experimental Investigation of Environmental Water Extraction powered by solar energy using the Peltier Device <i>Imen BEN ABDELLAZIZ, Mourad BOUTERAA</i>
16h00–16h05	91	Diesel Engine fueled with Bio-Oil derived from Olive Mill Wastewater Sludge <i>Amal ELLEUCH, Kamel HALOUANI</i>

Horaire	ID	Activité / Communication
16h05–16h10	184	Concept of a solid oxide electrolysis–molten carbonate fuel cell hybrid system to support a power-to-gas installation <i>Jarosław MILEWSKI, Janusz ZDEB, Arkadiusz SZCZESNIAK, Aliaksandr MARTSINCHYK, Jakub KUPECKI, Olaf DYBINSKI</i>
16h10–16h15	65	Synergie de la structure Alvéolaire et du PCM : Vers une Gestion Thermique Hybride Haute Performance pour l'éclairage LED de Nouvelle Génération. <i>Khaoula BEN ABDELMLEK, Safa SKOURI, Alaeddine AMOR, Zouhour ARAOUD, Kamel CHARRADA, Georges ZISSIS</i>
16h15–17h00	<i>Session affiche 1 + Pause café</i>	
	Président Session 3 : Prof. Mohammed HASNAOUI	
17h00–19h00	SÉANCE 3 — Communications orales (8 communications · 15 min chacune)	
17h00–17h15	51	Mechanical, Thermal and Hygric Behavior of Fiber-Reinforced Earth-Based Mortars Stabilized with Cement and/or Lime: Temperature Monitoring during Curing <i>Amel Soukaina CHERIF</i>
17h15–17h30	98	Influence of Thermal Energy on Drying Chamber Temperature in a Low-Cost IoT-Based Intelligent Hybrid Solar Electric Dryer <i>M'Boirick CAMARA, Nawfal HIDRA, Saïd DOUBABI, Naji ABDENOURI</i>
17h30–17h45	116	Modeling and simulation of thermo-kinetics coupled with fluid dynamics <i>Mouna MEZGHANNI, Najla GRIQUI, Melik SAHRAOUI, Kamel HALOUANI</i>
17h45–18h00	148	Advancing clean construction through natural waste-based plaster composites: A comprehensive thermal and mechanical experimental assessment <i>Houda HACHEM, Daoued MIHOUBI</i>
18h00–18h15	183	Comparative study of droplet evaporation on isothermal and adiabatic surfaces <i>Oumayma SOMRANI, Mebrouk AIT SAADA, Walid FOU DHIL, Sadok BEN JABRALLAH, Salah CHIKH, Lounès TADRIST</i>
18h15–18h30	68	Étude comparative de l'efficacité des générateurs de vortex de forme Delta et des micro-jets pour le contrôle de l'écoulement turbulent autour du profil NACA 0015 <i>Hocine TEBBICHE, Mohammed Saïd BOUTOUDJ</i>
18h30–18h45	67	Aspen plus simulation of slow and fast pyrolysis processing of olive mill wastewater sludge <i>Najla GRIQUI, Muhammad Shoaib Ahmed KHAN, Amal ELLEUCH, Kamel HALOUANI</i>
18h45–19h00	182	Numerical investigation of condenser performance in a humidification–dehumidification desalination system <i>Nadia RAHALI, Ahlem ZOUAOUI, Leila ZILI-GHEDIRA</i>
19h30–21h00	<i>Dîner</i>	

JEUDI 5 NOVEMBRE 2026 — JOUR 2

Horaire	ID	Activité / Communication
08h30–09h15		Président Session 4 : Prof. Lounes TADRIST Conférence plénière 3 : Prof. Arnaud BRUCH « Stockage de la chaleur : état de l'art, avancées technologiques et perspectives d'application » <i>Chercheur CEA-Liten (Grenoble), Laboratoire LCST, France</i> (30 mn exposé + 15 mn discussion)
09h15–11h00		SÉANCE 4 — Communications orales (7 communications · 15 min chacune)
09h15–09h30	22	Simulation, realization and characterization of a multi-PCM thermal battery <i>Jacques ROBADEY, Moncef Justin LALOU, Thierry URSENBACHER, Matthieu LIECHTI, Cédric PONT</i>
09h30–09h45	89	Analyse des performances thermiques et électriques d'un collecteur photovoltaïque-thermique PVT intégrant un nano-PCM <i>Othmane TAZMAITE, Mohammed ER-RAKI, Abderrahim BAZGAOU, Safae HASNAOUI, Mohammed HASNAOUI</i>
09h45–10h00	131	Caractérisation expérimentale du comportement hygroscopique et des propriétés thermodynamiques de brique d'argile <i>Karim GAROUACHI, Soufien AZZOUZ</i>
10h00–10h15	13	Comparative Study of Water Mist and Sprinkler Systems on Wood Crib Fires in Confined Compartments <i>Léo FOUCAULT, Khaled CHETEHOUNA, Ilyas SELLAMI, Antonin ROBINET, Mohamad KAWTHARANI, Denis GUEDAL, Antoine OGER</i>
10h15–10h30	40	Performance Improvement of Linear Fresnel Solar Cooling Using a Hybrid Absorption–Compression Cycle Coupled with Thermocline Thermal Storage <i>Mohamed M'madi Hassane, Yousra FILALI-BABA, Ahmed AL MERS</i>
10h30–10h45	86	Moisture Transport in Beetroot During Convective Drying: Evaluation of the Effective Diffusion Coefficient <i>Thouraya GHNIMI, Lamine HASSINI, Emna BETTAIEB</i>
10h45–11h00	16	Enhanced Flash thermal characterization using Physics-Informed Neural Network <i>Yasser OUELD EL HAJ EL GHALI, Abou-bakr CHERKI, Imad ELHARRAKI</i>
11h00–11h30		<i>Pause café</i>
11h30–12h50		SÉANCE 5 — Communications orales courtes (16 communications · 5 min chacune)
11h30–12h50		Président Session 5 : Prof. Brahim BEN BEYA
11h30–11h35	164	Experimental Assessment of Latent Heat Thermal Energy Storage System under Cyclic Thermal Loading <i>Ayoub BRIACHE, Riadh BOUBAKER, Mustapha MAHDAOUI, Souad HARMAND, Mustapha OUARDOUZ, Safouene QUENZERFI</i>
11h35–11h40	105	Effect of Rib Count on the Thermal Performance of a Ribbed Microchannel Using Nanofluid <i>Khadija MADANI, Rejeb BEN MAAD</i>
11h40–11h45	21	Deep Learning Approaches for Thermal Behavior Prediction in Zeolite-water thermochemical Storage Systems <i>Mouhcine MAROUAN, Bilal LAMRANI, Frederic KUZNIK</i>
11h45–11h50	25	Modélisation et optimisation énergétique d'un système frigorifique hybride à éjecto-compression pour le stockage frigorifique <i>Darine KHDHIR, Imen BEN MOHAMED, Nawel KHALDI, Dorra LOUNISSI, Mariem LAZAAR</i>
11h50–11h55	132	Three-Dimensional Modeling of Heat and Mass Transfer in an Ag/Water Nanofluid Cavity: Impact of Aspect Ratio <i>Nessrin MANAA, Awatef ABIDI, Mohamed Naceur BORJINI</i>
11h55–12h00	156	Study of the flow field of metallic foam with uniform and graded porosity in a Solid Oxide Fuel Cell <i>Asma NAOUAR, Hacem DHAHRI, Abdallah MHIMID</i>
12h00–12h05	212	Numerical analysis of Ag-MoS₂/water hybrid nanofluid flow within finned cavity heated by corrugated obstacle in presence of magnetic field <i>Oussema BARKOUTI, Brahim BEN-BEYA</i>

Horaire	ID	Activité / Communication
12h05–12h10	180	Numerical study of natural convection structures on a circular surface of a boiling meter <i>Abdelkadir ZAITE, Hervé COMBEAU, Antoine MARSIGNY, Lounès TADRIST</i>
12h10–12h15	92	A Deep Learning Framework for Forecasting Climate-Sensitive Infectious Diseases in Tunisia <i>Faten BEN CHIHAOUI, Nada ABDELJAWED, Mourad BOUTERAA</i>
12h15–12h20	57	Numerical Investigation of Thermal Explosion under Natural Convection in Porous Silo of Storage <i>Rayane LAKROUNE, Djamel Eddine AMEZIANI, Nabil HIMRANE, Andera VALLATI</i>
12h20–12h25	181	Numerical Study of Conjugate Natural Convection <i>Abdennacer BELAZIZIA</i>
12h25–12h30	49	Experimental study of Internal combustion diesel engine behavior using shell biomass and polypropylene D95 blend of diesel and green diesel derived from co-pyrolysis of almond <i>Ayed Mustapha, Fakher HAMD, Ilham YAHYA, Najla GRIQUI, Amal ELLEUCH, Ridha ENNETTA, Kamel HALOUANI</i>
12h30–12h35	169	Emballage thermique de groupements de cellules lithium-ion en milieu confiné <i>Yannick PIZZO, Priscilla POUSCHAT, Thomas SCHERFLING, Adel MADFAI, David BRUTIN, Timothé PORTERIE, Bernard PORTERIE</i>
12h35–12h40	23	Numerical modeling and techno-economic optimization of hybrid renewable-based hydrogen production in Morocco <i>Amina BELGARNI, Bilal LAMRANI, Maha BHOUI, Tarik KOUKSOUS</i>
12h40–12h45	47	Techno-Economic Assessment of Power-To-Green Hydrogen-To-Power Via Gas Turbine for Sustainable Electricity Generation in Rwanda <i>Muhire Pascal, Abdallah KHELLAF</i>
12h45–12h50	32	Agrivoltaics as a sustainable technique for food security under heat stress and water scarcity conditions: case of Niger <i>Shimaa MAHAMADOU IBRAHIM, Abdallah KHELLAF</i>
12h50–14h00	Déjeuner	
14h00–16h15	SÉANCE 6 — Communications orales (9 communications · 15 min chacune)	
14h00–16h15	Président Session 6 : Prof. Abdelmajid JEMNI	
14h00–14h15	209	Laminar flow of shear-thinning fluids in two parallel square channels connected through a slot <i>F. Souissi, M.S. Guellouz, N. Ben Salah, S. Kaddeche</i>
14h15–14h30	10	Proactive AI-Controlled Solar Aquaponics for Energy-Efficient Thermal Stability in Semi-Arid Regions <i>Salmen CHEHAIBI, Rabeb AYED, Safa SKOURI, Salwa BOUADILA</i>
14h30–14h45	60	Influence des conditions aux limites thermiques sur le développement du backlayering dans les feux en tunnels <i>Alexandre NARCISSE, Romain NOTTET, Éric CASALÉ, Olivier VAUQUELIN</i>
14h45–15h00	15	Effect of Environmental Conditions on Pool Fire Behavior and Unburned Gas Ignition Risk in a Reduced-Scale Historical Room <i>Ziyuan CHEN, Brady MANESCAU, Khaled CHETEHOUNA, Ilyas SELLAMI, Léo FOUCAULT, Pascale VALADE</i>
15h00–15h15	151	Performance Assessment of a CPVT–ORC Hybrid System with Different Organic Working Fluids <i>Malika BOUFKRI, Abdelfattah EL MANSOURI, Abdelkhalek AMAHMID, Mohammed HASNAOUI, Layla FOURA, Ayoub NABBAGUI, Omar ENNAYA</i>
15h15–15h30	205	Correlation between image-informed thermal fields and simulated surface temperatures <i>Rafael BARTSCH, Sabine HOFFMANN</i>
15h30–15h45	55	Brique thermique à MCP actif pour le chauffage renouvelable des bâtiments <i>Moncef Justin LALOU, Jacques ROBADEY, Matthieu LIECHTI, Cédric PONT</i>
15h45–16h00	58	Évaluation des propriétés hygro-thermiques d'un composite, à base de chanvre et de pépins de raisin, pour la construction <i>Amna RAFFAOUI, Katiba MEZREB, Amar BENAZZOUK, Haykel BEN HAMED, Fakhreddine Segni Oueslatie</i>
16h00–16h15	123	Effet du traitement de surface des fibres sur les propriétés mécaniques (dynamiques) et hydriques d'un composite innovant léger <i>H. Ouerghi, L. Hassini, A. Benazzouk, M.A. ElCafsi</i>
16h15–16h45	Pause café	

Horaire	ID	Activité / Communication
16h45–17h40	SÉANCE 7 — Communications orales courtes (11 communications · 5 min chacune)	
16h45–17h40	Président Session 7 : Prof. Belkacem DRAOUI	
16h45–16h50	171	Une approche multi échelles pour la caractérisation de matériaux à gradient de propriétés thermo physiques <i>Alejandro MATEOS CANSECO, Ryad BOUZOUIDJA, Célia SANZ, Théo CHAVATTE, Jean Luc BATTAGLIA, Alain SOMMIER, Stéphane GOURDIN, Meryem FAKHREDDINE</i>
16h50–16h55	190	Efficiency improvement of a Perovskite solar cell : A Multiphysic Simulation Approach <i>Amal AZRI, Ghada BEN ABDALLAH, Sonia BESBES, Habib BEN AISSIA</i>
16h55–17h00	76	Pozzolan Aggregates from Moroccan Sources: A Promising Partial Replacement for Cement in Eco-Friendly Mortar <i>Mohamed KICHOUHI, Aya ALBARE, Rachid EL ALAII, Mohammed Amine MOUSSAOUI, Soufiane DERFOUFI</i>
17h00–17h05	56	Impact of neural network parameters on accuracy of forced convection channels characteristics prediction <i>Soukaina SALMI, Mohamed SHAIMI, Rabha KHATYR, Jaafar Khalid NACIRI</i>
17h05–17h10	172	The influence of mass loss dynamics on temperature dynamics of porous fuels <i>Omar MOSBAH, Nouredine ZEKRI</i>
17h10–17h15	80	Experimental Study of Compressed Earth Blocks (CEBs): Porosity, Capillary Absorption, and Resistance to Water Erosion <i>Omaima HERMI, Belgacem DHIFAQUI, Walid FOU DHIL, Sadok BEN JABRALLAH</i>
17h15–17h20	8	Influence of an Exothermic Reactive Porous Partition on Indoor Air Quality: Role of the Frank–Kamenetskii Parameter <i>Yasmine HAMRIOUI, Djamel Eddine AMEZIANI, Zouhira HIRECHE, Nabil HIMRANE</i>
17h20–17h25	12	Development of MgO doped with Co based photoactive nanomaterials for efficient green hydrogen production <i>Imen STEIFI, Mounir SAHLI, Asih MELATI, Khaled CHETEHOUNA</i>
17h25–17h30	189	Atmospheric aerosol Impacts on the performance of large-scale photovoltaic system in Desert Areas <i>Kacem GAIRAA</i>
17h30–17h35	191	Evaluation of PV module temperature using ANN and SVR based on meteorological and electrical Inputs <i>Idriss HADJ MAHAMMED, Kacem GAIRAA, Anter BEDDAR, Farid HADJRIOUA</i>
17h35–17h40	106	MHD Natural Convection of a non-Newtonian Cu-Al ₂ O ₃ /Water Hybrid Nanofluid in Porous Medium <i>Islam ZID, Redha REBHI, Mounir ALLICHE, Djamel ALILAT, Ali J. CHAMKHA</i>
17h40–19h00	<i>Session affiche 2</i>	
19h30–21h00	<i>Dîner</i>	

VENDREDI 6 NOVEMBRE 2026 — JOUR 3 (demi-journée)

Horaire	ID	Activité / Communication
08h30–09h15		Président Session 8 : Prof. Abdessalem DRAOUI Conférence plénière 4 : Prof. Zaid ROMANI « Du microclimat urbain à la performance énergétique des bâtiments : la digitalisation comme levier de la transition durable » <i>École Nationale d'Architecture de Tétouan (ENAT), Morocco</i> (30 mn exposé + 15 mn discussion)
09h15–10h40		SÉANCE 8 — Communications orales courtes (17 communications · 5 min chacune)
09h15–09h20	113	Interactions collectives dans l'évaporation de gouttes sessiles alignées : effet de la distance et du nombre de gouttes <i>Oumayma SOMRANI, Walid FOU DHIL, Sadok BEN JABRALLAH, Lounès TADRIST</i>
09h20–09h25	176	Evaluation of wind power plants locations for green hydrogen production in Tunisia: An AHP-GIS based approach <i>Rania HAMMEMI, Mohamed DIOP, Mouna ELAKHDAR</i>
09h25–09h30	62	Hybrid model for evaluating the performance of greenhouse heating systems <i>Issam ATTAR, Tellili eya, M. Lazaar</i>
09h30–09h35	90	Température au plafond lors d'incendie en tunnel : effet de la position du foyer et de la ventilation longitudinale <i>Soufien GANNOUNI, Brahim KALECH, Mourad BOUTERAA</i>
09h35–09h40	136	Numerical Investigation of the Impact of Glass Properties on the Performance of a PVT Collector <i>M'Barek FEDDAOUI, Hissouf Mohamed, Khadija ZABOUR, Said BOUCHTA</i>
09h40–09h45	99	Effects of air register adjustment on tunnel kiln performance <i>Khouloud REZIG, Soufien GANNOUNI, Faten BEN CHIAOUI, Mourad BOUTERAA</i>
09h45–09h50	178	Influence of Mechanical and Photo-thermal Properties of the Collector Coating on Performance Calculation Models of Solar Chimney Power Plants <i>Salim Mekki BOUALLEG, Salah LARBI, Amor BOUHDJAR</i>
09h50–09h55	207	Modélisation par réseaux de neurones artificiels de la convection naturelle dans une cavité carrée remplie de nanofluide <i>Said BOUCHTA, M'Barek FEDDAOUI, Mouna BENSAB, Jaouad BOUCHTA</i>
09h55–10h00	28	Étude et modélisation d'un système géothermique de refroidissement d'un local à l'aide d'une pompe à chaleur et d'une bache d'eau souterraine <i>Mohammed Moundji HADJIAT, Salima OUALI, Noceir BENAMRANE, Nouredine BENAOU DA, Saida MAKHLOUFI, Abdelkader AIT OUALI</i>
10h00–10h05	143	Analyse numérique de l'encrassement dans un échangeur de chaleur à parois poreuses en convection forcée turbulente <i>Hamza SADOUK, Salah CHIKH</i>
10h05–10h10	102	CFD analysis of a heat pipe-based cooling system thermal performance for AI processors <i>Samah MAALEJ, Imène SAAD, Mejdi HAMMAMI, Yacine BRAHAM, Meriem MHIRI, Mohamed Chaker ZAGHOUDI</i>
10h10–10h15	85	Modeling Hygrothermal Transfer in Porous Building Walls: Comparison of Different Materials <i>Belgacem DHIFA OUI, Dhouha CHAOUALI, Walid FOU DHIL, Sadok BEN JABRALLAH</i>
10h15–10h20	66	Analyse de l'utilisation de l'hydrogène comme carburant dans le parc machiniste agricole : impacts économiques et environnementaux <i>Lotfi ZIANI, Fouad KHALDI</i>
10h20–10h25	159	Digital Twin Approaches for Green Hydrogen Production via Water Electrolysis: A Framework for Industrial Applications <i>Hana OURI, Chiheb BOUDEN</i>
10h25–10h30	204	Magnetohydrodynamic Thermosolutal Convection in a Porous Diamond-Shaped Enclosure with internal Heat Sources Filled with a Nano-Encapsulated Phase Change Material Suspension <i>Layla FOURA, Youssef DAHANI, Abdelkhaled AMAHMID, Ayoub NABBAGUI, Malika BOU FKRI, Mohammed HASNAOUI</i>

Horaire	ID	Activité / Communication
10h30–10h35	33	Thermo-electrochemical modeling of Hydrogen to Power Conversion Units Based on Proton Exchange Membrane Fuel Cells PEMFCs <i>Hajar DLIAA, Bilal LAMRANI, Maha BHOURI, Tarik KOUSKSOU, Younes CHRAFIH</i>
10h35–10h40	27	Energy and Economic Analysis of the Green Hydrogen to Ammonia Process: Application to Burkina Faso <i>Halidou KABORE, Abdallah KHELLAF</i>
10h40–11h40	Session affiche 3 + Pause café	
11h40–12h10	SÉANCE 9 — Communications orales (2 communications · 15 min chacune)	
11h40–12h10	Président Session 9 : Prof. Kamel HALOUANI	
11h40–11h55	75	Multi-scale coupling for assessing the impact of the urban microclimate on the energy needs of buildings in Morocco's climate zones <i>Manal ACH-CHAKHAR, Adnane M'SAOURI EL BAT, Aya FATOUMATA DEMBELE, Zaid ROMANI, Sihem GUERNOUTI, Abdeslam DRAOUI</i>
11h55–12h10	166	Performance of a flat plate thermal solar collector with two heat transfer fluids <i>Amor BOUHDJAR, Hakim SEMAI, Aïssa AMARI, Lazhar SERIR, Mohamed SMAILI</i>
12h10–13h10	Temps libre — échanges et visite des affiches	
13h10–14h00	Cérémonie de clôture — remise des Prix des Communications — Annonces des prochaines JITH 2028 — Remerciements	
14h00	Déjeuner de clôture	