



*People's Democratic Republic of Algeria  
Ministry of Higher Education and Scientific Research  
University AHMED ZABANA of Relizane  
Faculty of Science and Technology  
Civil Engineering and Public Works Department  
Innovative Materials Laboratory and Renewable Energies*

*Organize:*

*Second Edition of the International Seminar  
on Materials and Engineering Structures  
(ISMES'25)  
7-8 Feb 2026 RELIZANE (Algeria)*

*Sponsors:*



Program of Seminar ISMES'2025, 07-08 Feb, 2026

| First day: Saturday 07 February 2026<br><a href="https://meet.google.com/vid-zpcx-ftn">Link : https://meet.google.com/vid-zpcx-ftn</a> |  |
|--|--|
| 08h00-09h00  | Registration: <b>Mustapha Benaissa Conference room</b>   |
| 09h00-09h30  | <b>Welcome ceremony:</b><br>The holy Quran<br>National anthem<br><b>Dr. LAOUFI Imene:</b> Seminar president<br><b>Pr. BAHRI Ahmed:</b> University rector<br><b>Dr. DJILLALI BEIDA Maamar:</b> Dean of faculty ST   |
| 09h30-09h50  | <b>Plenary session 1:</b><br><b>Title : Modélisation multiéchelle du comportement mécanique des fibres végétales comme renforts pour les matériaux composites</b><br><b>Pr. Boussad Abbes (UNIV-Reims France)</b><br><b>Conference room : "Mustapha Benaissa"</b>  |
| 09h50-10h10  | <b>Plenary session 2:</b><br><b>Title: « Effets de site et classification des sols : Vers une meilleure estimation de l'action sismique dans le règlement algérien »</b><br><b>Dr. Bencharif Raouf (Centre National de Recherche Appliquée en Génie Parasismique - CGS)</b><br><b>Conference room: "Mustapha Benaissa"</b> |
| 10h10-10h30  | <b>Plenary session 3:</b><br><b>Title : Efficacité des matériaux composites pour la réhabilitation des structures en génie civil</b><br><b>Pr. Tahar Hassaine Daouadji (UNIV-Tiaret - Algérie)</b><br><b>Conference room: "Mustapha Benaissa"</b>  |
| 10h30-11h00  | Coffee Break   |
| 11h00- 13h00   | Oral Session 1   |
| 11h00- 12h00   | Poster Session 1   |
| 12h00- 13h00   | Poster Session 2   |
| 13h00-14h00  | Lunch  |
| 14h00-16h00  | Oral Session 2<br>Poster Session 3   |
| Second day: Sunday 08 February 2026 (Online)   |  |
| 9h00-12h00   | Session: Oral online   |
| 12h00-12h30  | Closing Remarks<br>Dr. LAOUFI Imene  |

ISME'S 2025

*Detailed Program*

*First day (07-02-2026)*

*Oral session program*

**Topic 1: Structures**

**Oral session: 01**

**Room: 01**

| 07-02-2026  |        | 11h00-13h00  |  |
|---|--------|--|--|
| Moderator : Pr. BOUSSAAD Abbas  |        |  |  |
| Experts:<br>Pr. HASSAINE DAOUADJI Tahar<br>Pr. MERDACI Slimane<br>Dr. MAAROUF Hafidha |        |  |  |
|   | Code   | Authors  | Title  |
| 1   | 694729 | Cherchab youcef,<br>Khedija talbi  | Elastic and thermoelectric properties of Mg-based Half-Heusler compound: Correlation with Effective Mass calculations                                      |
| 2   | 685050 | Djafar Henni imane,<br>Bounoua el Ghali  | AI-driven prediction of rebar requirements for cantilever transfer beams in seismic RC structures  |
| 3   | 688844 | Boutaraa zohra,<br>Belaid ibtihel,<br>Kehila fouad   | Evaluation of Seismic Retrofitting Efficiency on the Structural Vulnerability of Bridges   |
| 4   | 685667 | Abdellatif bentifour,<br>Rachid derbal,<br>Nassima benmansour,<br>Abderaouf daci   | Approche expérimentale et numérique de la réponse dynamique d'un modèle réduit de pile de pont soumis à une excitation sismique réelle sur table vibrante. |
| 5   | 688687 | Belbahi halima,<br>Noura hichem,<br>Mebarki ahmed,<br>Abed mohamed   | Evaluation de la vulnérabilité structurelle post-sismique par apprentissage automatique : approche catboost  |
| 6   | 689219 | Megherbi mohammed Rafik,<br>Bourada fouad,<br>Bennaceur sidi Mohamed,<br>Belabed zakaria, Ait Sidhoum imene,<br>Tounsi abdelouahed | Analyse de la réponse mécanique des structures renforcées en utilisant la théorie de déformation de cisaillement   |

**Topic 2: Engineering**

**Oral session: 01**

**Room: 02**

| 07-02-2026  |        | 11h00-13h00  |  |
|---|--------|--|--|
| Moderator : Pr. GHARNOUTI Youcef                                      |        |  |  |
| Experts:<br>Dr. ROUIBI Mohamed<br>Pr. RABEHI Bahia<br>Dr. REMIL Aicha |        |  |  |
|   | Code   | Authors  | Title  |
| 1   | 684360 | Cherchef kamel   | Enhancing Film Cooling Performance and Flow Structure Using the Jet Exit Block   |
| 2   | 692428 | Damou houaria,<br>Bendriss fayçal ,<br>Harichane zamila,<br>Ghrici mohamed   | Comparative Evaluation of Random Forest and Extreme Gradient Boosting for Predicting Vertical PGA, PGV, and Response Spectra |
| 3   | 687235 | Mokhtari charef,<br>Zalmat yassine,<br>Sabeur bendehiba,<br>Guerzou tourkia,<br>Zaoui mohamed,<br>Bensoula mohamed   | Seismic Performance Assessment of a Reinforced Concrete Bridge in the Wilaya of Mostaganem                                   |
| 4   | 688420 | Zerrouki amina-<br>Mounira,<br>Megrouse mohammed,<br>Cherif Taiba abdellah,<br>Mahmoudi youcef,<br>Belkhatir mostefa | Effect of Recycled Glass Particle Size on the Mechanical Performance of Granular Soil Mixtures.                              |
| 5   | 689607 | Abdelhamid abdelmalek,<br>Bouderba bachir  | Structural Performance and Cost Implications of Transitioning from RPA 2003 to RPA 2024: A Case Study on an RC Building      |

**Topic 3: Materials**

**Oral session: 01**

**Room: Mustapha Benaissa Conference room**

| 07-02-2026   |        | 11h00-13h00  |   |
|--|--------|--|---|
| Moderator : Pr. BELAS Nadia                            |        |  |   |
| Experts:<br>Pr. BENAÏSSA Abdellatif<br>Dr. MALAB Souad |        |  |   |
|  | Code   | Authors  | Title   |
| 1  | 694741 | Didouche zahia,<br>Ezziane manal, Ait<br>Mohamed<br>Amer adem  | comportement mecanique des betons a haute performance<br>sous l'effet de l'addition du charbon actif                        |
| 2  | 692216 | Glaoui bachir,<br>Aittahar kamal,<br>Mokaddem youssef,<br>Bouamra youcef,<br>Adjal leila,<br>Laouchedi dalila        | effet des cycles thermique d'echauffement -<br>refroidissement sur le comportement des enrobes<br>bitumineux modifies.      |
| 3  | 694742 | Didouche zahia,<br>Ezziane manal, Ait<br>Mohamed<br>Amer adem  | comportement mecanique des mortiers a base de ciment<br>compose incorporant du charbon actif et de la fumee de<br>silice    |
| 4  | 688846 | Hadj Sadok ahmed,<br>Boulegghbar khadidja  | effect of recycled sand brick on compressive strength and<br>water permeability of roller compacted concrete to design dams |
| 5  | 686523 | Chaouch djamel   | evaluation experimentale de l'effet des parametres de<br>traitement sur les proprietes mecaniques de l'acier 35b2           |
| 6  | 684714 | Belghali mohammed  | the influence of sulfate attack on existing concrete<br>bridges: study of external sulfate attack (esa).                    |
| 7  | 691706 | Belguenoune ahmed,<br>Naziha chakour   | self-cleaning concrete: materials, mechanisms and civil<br>engineering applications   |
| 8  | 688356 | Belkhous lamri,<br>Youcef<br>Mahmoud mahmoud,<br>Rahal fouzia,<br>Amel lakri,<br>Abdelaziz lakdja,<br>Ghaouti bassou | mid-infrared gas sensor based high $\gamma$ -doped silicon  |

**Topic 4 : Renewable Energies**

**Oral session: 01**

**Room: 03**

| 07-02-2026  |        | 11h00-13h00   |   |
|---|--------|---|---|
| Moderator : Pr. MILOUDI Mohamed                       |        |   |   |
| Experts:<br>Pr. BOUSSAHLA Anis<br>Dr. MANKOUR Mohamed |        |   |   |
|   | Code   | Authors   | Title   |
| 1   | 688498 | Ghoual bouziane, Sif Eddine belalia, Mahmoud mostefa Tounsi                   | Boost PV Energy using Neural-Networkâ€‘Enhanced Model Predictive Control of the DCâ€‘DC Converter                       |
| 2   | 688511 | Mostefa Tounsi mahmoud, Ghoual bouziane, Meliani bouziane, Mostefa abdelkader | Pelican Optimization Algorithm Enhanced PWM Strategy for THD Reduction in 13-L Bridge Inverter for PV Energy Conversion |
| 3   | 693545 | Belabed ahlam, Medjadji hamza, Sadou mohammed, Salhi nassima                  | A Visible Light Responsive Mesoporous Nio/Mcm-41 Nanocomposite For Photocatalytic Hydrogen Evolution                    |
| 4   | 692134 | Hadjaidji riad  | Application of Composite Materials for Energy Generation Devices  |
| 5   | 684608 | Bouamra messaoud, Fellah ahmed, Mouheb maamar                                 | Effect of Atmospheric Attenuation Factor on the Average Optical Efficiency of a Receiver of a Solar Tower Power Plant   |

**Topic 1: Structures**

**Oral session: 02**

**Room: 01**

| 07-02-2026                 |        | 14h00-16h00   |  |
|----------------------------|--------|---|--|
| Moderator : Pr. ARAB Ahmed |        |   |  |
| Experts:                   |        |   |  |
| Dr. DAHMANE Mouloud        |        |   |  |
| Dr. BENFERHAT Rabie        |        |   |  |
|                            | Code   | Authors   | Title  |
| 1                          | 691586 | Bouamra youcef, Ait<br>Tahar kamal,<br>Saadi hadjer,<br>Mokeddem yousef,<br>Glaoui bachir,<br>Bouamra messaoud,<br>Adjal leila,<br>Laouchedi dalila | Effect of the strengthening mode on the behavior of the<br>concrete beams  |
| 2                          | 685277 | Bouزيد haytham,<br>Zouaoui satla  | Le Systeme Nsm Frp Comme Solution De Renforcement<br>Plus Efficace Pour Les Poutres En Beton Arme                              |
| 3                          | 684991 | Djamel si Fodil,<br>Mohamed messaoudi,<br>Mohamed<br>Soufiane ibka,<br>Abderahemane<br>Mejedoub mokhtari  | Optimisation Thermique des Panneaux de Construction<br>3D par l'Intégration de Bétons Composites à Base de<br>Déchets Recyclés |
| 4                          | 688892 | Lakhal abdennour,<br>Bougara abdelkader   | Renovating old building using concrete-steel composite<br>beams  |
| 5                          | 688459 | Abdelkader safa,<br>Lazreg hadji,<br>Chami guermit<br>Mohamed Bilal   | Mechanical behavior of porous functionally graded<br>beams   |

**Topic 2: Engineering**

**Oral session: 02**

**Room: 02**

| 07-02-2026   |        | 14h00-16h00  |   |
|--|--------|--|---|
| Moderator : Dr. ZEMRI CHEIKH                         |        |  |   |
| Experts:<br>Pr. YEGHNEM redha<br>Pr. MALIKI Mustapha |        |  |   |
|  | Code   | Authors  | Title   |
| 1  | 692313 | Bouderba bachir,<br>Abdelhamid abdelmalek  | Comparative Seismic Response of an RC Building on Different Soil Types According to RPA 2024                                    |
| 2  | 688961 | Daoud sisi Mohammed,<br>Hamhami mouloud,<br>Noureddine elmeiche,<br>Ismail mechab,<br>Trouzine habib | Geocell-Reinforced Soils: A Synthesis of Current Knowledge on Mechanisms, Installation Procedures, and Engineering Applications |
| 3  | 685627 | Zaoui mohamed,<br>Kawthar halima Salem   | Application des variantes du modèle YOLOv8 pour la détection des dégradations des chaussées souples                             |
| 4  | 697739 | Samira Moufok,<br>Bouhalouane Amrani   | First-principles investigation of YCuSO, YCuSeO   |
| 5  | 692219 | Bouguedra billel,<br>Sandjak khaled,<br>Ouanani mouloud,<br>Rezk hegazy                              | Exhaustive Features Selection with Randomized Decision Tree Model to Forecast the Soil Types According to AASHTO Classification |
| 6  | 687600 | Zemri cheikh,<br>Refas soraya  | effet de l'incorporation de la diatomite calcinee et activee sur les proprietes physico-mecaniques des mortiers de ciment       |
| 7  | 687599 | Zemri cheikh,<br>Sadoun mohamed,<br>Benmahdi khaled  | correlation entre porosite resistance mecanique et vitesse ultrasonique dans une colonne en beton affecte par la segregation    |

**Topic 3: Materials**

**Oral session: 02**

**Room: Mustapha Benaissa Conference room**

| 07-02-2026                    |        | 14h00-16h00   |   |
|-------------------------------|--------|---|---|
| Moderator : Pr. EZZIANE Karim |        |   |   |
| Experts:                      |        |   |   |
| Pr. AIT TAHAR Kamel           |        |   |   |
| Dr. MEZIDI Omar               |        |   |   |
| Pr. ADJOUJ M'hamed            |        |   |   |
|                               | Code   | Authors   | Title   |
| 1                             | 692373 | Radja imane,<br>Palazon francisco,<br>Nebatti Ech-<br>Chergui abdelkader,<br>Guezoul m'hamed,<br>Driss-Khodja kouider,<br>Amrani bouhalouane,<br>Herir hadjer | One-Step Spin-Coated Sb:Bi SI Chalcohalide Thin Films with Promising Photoelectrical Response.              |
| 2                             | 688855 | Bouacheria mohammed<br>Amine, Khaldi maroua,<br>Djelloul abdelkader,<br>Adnane mohamed  | Structural, Optical and Electrical Properties of Aluminum-Doped CuO Thin Films Grown by Sol-Gel Dip Coating |
| 3                             | 688313 | Cherfa hayet,<br>Saoudi nacira,<br>Saoudi brahim,<br>Bougueroua amina,<br>Smaida ali  | formulation d'un materiau routier à base de granulats de dechet de demolition                               |
| 4                             | 693538 | Gherras hammou,<br>Ghillal yamina,<br>Laoufi mohammed,<br>Yahiaoui ahmed,<br>Hachemaoui aicha   | synthese de polyazomethine conjugue pour l'electronique organique   |
| 5                             | 695220 | Ghillal yamina,<br>Gherras hammo,<br>Yahiaoui ahmed,<br>Hachemaoui aicha  | copolymerisation par ouverture de cycle du mox avec cl en presence de la maghnite-h+                        |
| 6                             | 683093 | Yaagoub neyla,<br>Nedder amina,<br>Salhi mohamed  | Elaboration d'un matériau de forte isolation thermique à base de laine de mouton et de mortier              |

**Topic 3: Materials**

**Oral session: 03**

**Room: 03**

| 07-02-2026  |        | 14h00-16h00  |  |
|---|--------|--|--|
| Moderator : Pr. BOUBEKEUR Toufik                                      |        |  |  |
| Experts:<br>Pr. LAREDJ Nadia<br>Dr. BENYAHIA Amar<br>Dr. DRAOUI Aicha |        |  |  |
|   | Code   | Authors  | Title  |
| 1   | 688710 | Kameche zine El Abidine, Safer omar  | Influence de l'argile bentonitique calcinee sur le comportement physico-mecanique du mortier cimentaire et face aux attaques acides. |
| 2   | 692145 | Mokeddem yousef, Kamal Ait tahar, Leila Adjal, Dalila Laouchedi, Youcef Bouamra, Bachir Glaoui | Development and elaboration of new hybrid composites   |
| 3   | 689001 | Saoudi nacira, Cherfa hayet, Saoudi brahim, Salim kenouche, Mokrani ilham                      | Sewage sludge mortar behavior mechanical under varied curing and environmental condition   |
| 4   | 688577 | Yanallah abdelkader, Yanallah khelifa, Chelih amine  | Modeling of corona wind generation for materials and environmental applications  |
| 5   | 680397 | Mohammed Belhadj ahlem Houaria, Derbal rachid, Bendouina khadidja, El Hadj Mimoune arezki      | Influence of marble dust powder on shrinkage and carbonation resistance of cement mortar   |
| 6   | 688635 | Malab souad, Benaissa imene, Bounouara zahra, Laoufi imene                                     | La Microstructure du Béton de Sable et son Impact sur les transferts de Fluides  |

*Poster session  
program*

ISNMS 2025

**Poster Session I:****Workshop: Mustapha Benaissa Conference room (Hall)**

07-02-2026

**11h00-12h00**

Evaluators: *Dr. MENAD Kamel*  
*Pr. SENHADJI Yacine*  
*Dr. SAFER Omar*  
*Dr. ZINE Abdallah*  
*Dr. LATROUCHE Nourdine*  
*Dr. OUADAH Chaib*

|             | <b>Code</b> | <b>Authors</b>   | <b>Title</b>  |
|-------------|-------------|--|---|
| <b>I.1</b>  | 691568      | Abdelbasat chefa ,<br>Hammadache othman ,<br>Bouhadef bachir                                       | THEORETICAL OPTOELECTRONIC STUDY OF ANTI-PEROVSKITE CA <sub>3</sub> PN  |
| <b>I.2</b>  | 688939      | Amiar soumia Abir ,<br>Seghier soraya ,<br>Dahmani khedidja  | SYNTHESIS AND CHARACTERIZATION OF NANOCOMPOSITES CONTAINING A FUNCTIONAL AROMATIC MONOMER IN SODIUM MONTMORILLONITE FOR DYE ADSORPTION APPLICATIONS |
| <b>I.3</b>  | 688572      | Bettahar sonia ,<br>Dahmani khedidja ,<br>Benkhatou soumia   | DEVELOPMENT OF WASTE-BASED ADSORBENT MATERIALS FOR THE REMOVAL OF POLLUTANTS FROM WASTEWATER  |
| <b>I.4</b>  | 688809      | Hammadache othman  | MECHANICAL, OPTOELECTRONIC, AND THERMOELECTRIC PROPERTIES OF NEW HALF-HEUSLER COMPOUNDS   |
| <b>I.5</b>  | 683629      | Ibrahim bechar   | WIND POWER PLANT SITING CHOICE USING PYTHAGOREAN FUZZY NUMBERS  |
| <b>I.6</b>  | 692405      | Fouddad fatma Zohra  | THERMOELECTRIC PERFORMANCE OF MOS <sub>2</sub> , AND MOSSE MONOLAYERS: A FIRST PRINCIPLES STUDY FOR RENEWABLE ENERGY CONVERSION                     |
| <b>I.7</b>  | 692236      | Houari ali ,<br>Belabbaci madjid ,<br>Mouheb maamar ,<br>Fidjah abdelkader ,<br>Feghoul abdelillah | UTILISATION DES ENERGIES RENOUVELABLES POUR LA PRESERVATION DE L'ENVIRONNEMENT  |
| <b>I.8</b>  | 692093      | Seghier soraya   | ELIMINATION OF ORGANIC POLLUTANT BY NANOCOMPOSITE USED AS ADSORBENT SUPPORTS PREPARED BASED ON AN ALGERIAN MONTMORILLONITE                          |
| <b>I.9</b>  | 677780      | Abboub Amar , Ahmed<br>Aboura , Mokhtar.<br>Belkacem, Khaled.<br>Benmahdi, Mohamed.<br>Sadoun      | LE COMPORTEMENT MECANIQUE DES ACIERS EN MILIEU HYDROGENE.   |
| <b>I.10</b> | 687654      | Abboud souaad ,<br>Zaoui mohamed   | CHOIX OPTIMAL DES STRUCTURES DE CHAUSSEES PAR ANALYSE MULTICRITERE  |
| <b>I.11</b> | 688920      | Abdoun manel , Ait<br>Mohamed Amer adem ,<br>Adjoudj m'hamed ,<br>Ezziane karim                    | CONCRETE BEHAVIOR IN FRESH AND HARDENED STATES BASED ON QUARRY WASTE SAND   |
| <b>I.12</b> | 692419      | Achir bilel ,<br>Fatima bendahma ,<br>Righi aya ,<br>Mechehoud khadidja ,<br>Mehtougui nabila      | THEORETICAL STUDY OF HALF HEUSLER LISRZ (Z = SB, BI) FOR ENERGY CONVERSION APPLICATIONS   |

|             |        |  |   |
|-------------|--------|--|---|
| <b>I.13</b> | 691273 | Achouak Fatima<br>Zahra mazouz ,<br>Maya hassaine Daouadji ,<br>Tahar hassaine Daouadji ,<br>Tayeb bensattalah   | UTILISATION DES MATERIAUX COMPOSITES POUR LA<br>REHABILITATION DES POUTRES EN FLEXION PAR<br>COLLAGE DES COMPOSITES   |
| <b>I.14</b> | 692432 | Baghdad Zougar adel ,<br>Benosman ahmed Soufiane<br>, Benfrid abdelmoutalib ,<br>Houti farid Brahim ,<br>Badache abdelhak ,<br>Abdelmadjid lasledj ,<br>Mesli imane Fatima Zohra | INFLUENCE OF ALKALINE TREATMENT OF DISS FIBERS<br>ON THE MECHANICAL BEHAVIOR, DURABILITY, AND<br>THERMAL PERFORMANCE OF GYPSUM-BASED MORTARS  |
| <b>I.15</b> | 686347 | Balegh benamar ,<br>Chater fatima Zohra  | AMELIORATION ET PURIFICATION DES PARAMETRES<br>PHYSIQUES ET CHIMIQUES DES LIXIVIATS DE<br>DECHARGE L'AIDE D'UN SYSTEME DE FILTRATION<br>COMPOSE DE DECHETS DE GRANITE ET CAOUTCHOUC     |
| <b>I.16</b> | 693714 | Bekhti sid Ahmed ,<br>Bouhamou nasr-Eddine ,<br>Malab souad , Belas nadia  | ETUDE EXPERIMENTALE DE L'IMPACT DU SABLE ET DE<br>LA POZZOLANE NATURELLE SUR L'ATTENUATION<br>ACOUSTIQUE DES BLOCS DE TERRE CRUE  |
| <b>I.17</b> | 692451 | Benahmed mohammed<br>Ismet , Touati ibtissam ,<br>Bouha faiza Nabila ,<br>Kacimi larbi   | ENHANCEMENT OF THE HYDRAULIC REACTIVITY OF A<br>BELITIC SULFOALUMINATE CLINKER SYNTHESIZED<br>FROM INDUSTRIAL WASTE   |
| <b>I.18</b> | 692440 | Benbouziane hamza ,<br>Merabtene meriem ,<br>Kacimi larbi  | SYNTHESIS OF HIGH-PERFORMANCE GEOPOLYMER<br>BINDER BASED ON WASTE BRICK DEBRIS  |
| <b>I.19</b> | 688286 | Benbrahim khaled Ibn El<br>Walid ,<br>Bentayeb abdelkader ,<br>Doumi bendouma ,<br>Bensaid djillali  | STRUCTURAL STABILITY, ELECTRONIC, AND OPTICAL<br>PROPERTIES OF HALF-HEUSLER SRMGGE: FIRST-<br>PRINCIPLES CALCULATIONS   |
| <b>I.20</b> | 688885 | Benhaoua ahmed Adel ,<br>Saker Ouargli rachida ,<br>Bourecheche zohra  | VALORISATION DES DECHETS AVICOLES POUR LA<br>PRODUCTION D'UN BIOSORBANT DESTINE AU<br>TRAITEMENT DES EFFLUENTS INDUSTRIELS : UNE<br>APPROCHE DURABLE POUR UN FUTUR PROJET<br>INDUSTRIEL |
| <b>I.21</b> | 688613 | Bensaid nesrine ,<br>Khelifa amine ,<br>Hasnaoui mohammed<br>Abdelkrim   | APPROCHE FACTORIELLE COMPLETE POUR<br>L'ADSORPTION DE BLEU DE METHYLENE SUR DES<br>MATERIAUX MICROPOREUX  |
| <b>I.22</b> | 691841 | Boualem kada   | STUDY OF THE PHYSICAL PROPERTIES OF THE CGS<br>COMPOUNDS.   |
| <b>I.23</b> | 692057 | Boualem kada   | STUDY OF THE STRUCTURAL, ELECTRONIC,<br>MECHANICAL AND OPTICAL PROPERTIES OF A HEUSLER<br>KCASI COMPOUND  |
| <b>I.24</b> | 688552 | Boukeffoussa<br>Elroul abdelnacer  | L'EFFET DE LA TEMPERATURE SUR LA RESISTANCE AU<br>CISAILLEMENT DU SOL SABLONNEUX TRAITÉ AVEC UN<br>BIOPOLYMER.  |
| <b>I.25</b> | 692353 | Hamzaoui ihssen, Cherifa<br>Kara Mostefa Khelil,<br>Fatima Zohra Baouche,<br>Farid Bouchafaa   | Intelligent Fuzzy Logic Control for Enhanced Energy Efficiency and<br>Performance Optimization of Asynchronous Machines   |
| <b>I.26</b> | 691510 | Bouziane sara ,<br>Chewki zegadi ,<br>Guezoul m'hamed ,<br>Hamdadou nasr-Eddine  | SYNERGISTIC NB-SB CODOPED ZNO-SNO <sub>2</sub> ,<br>HETEROJUNCTION ON SNO <sub>2</sub> , INTERLAYER: OPTICAL<br>CHARACTERIZATION FOR ADVANCED OPTOELECTRONIC<br>APPLICATIONS            |

|             |        |   |   |
|-------------|--------|---|---|
| <b>I.27</b> | 688449 | Dahamni aissa ,<br>Ayed kada  | DEVELOPING AND PERFORMANCE OPTIMIZATION OF SELF-COMPACTING CONCRETE INCORPORATING PLASTIC WASTE   |
| <b>I.28</b> | 693721 | Douah yasmina ,<br>Sebbagh hichem Rakib ,<br>Abidelah anis ,<br>Bouchair abdelhamid ,<br>Kerdal djamel El Ddine | ANALYSE NUMERIQUE DE L'INFLUENCE DES MODES DE REFROIDISSEMENT SUR LE COMPORTEMENT POST-INCENDIE D'UN ASSEMBLAGE METALLIQUE                                    |
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| <b>I.30</b> | 692159 | Gana bouchra ,<br>Hamdadou nasr-Eddine ,<br>Guezzoul m'hamed  | INFLUENCE OF ANNEALING ON THE STRUCTURAL AND MORPHOLOGICAL PROPERTIES OF SN-DOPED WO <sub>3</sub> THIN FILMS FOR GAS-SENSING APPLICATIONS.                    |
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| <b>I.36</b> | 688465 | Hocine said ,<br>Nebab mokhtar , Hadj<br>Mostefa adda ,<br>Zarga djaloul  | DYNAMIC RESPONSE ANALYSIS OF POROUS FGM <sup>ed</sup> CNTRC SANDWICH BEAMS EMPLOYING VARIOUS HSDTS  |
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| <b>I.42</b> | 688901 | Kouider djellal ,<br>Abdelkader boulenouar ,<br>Meriem chafi ,<br>Mohammed bouchelarm ,<br>Ali djeffal                      | ON THE MIXED-MODE CRACK PROPAGATION IN FGMS<br>PLATES: COMPARISON OF DIFFERENT CRITERIA  |
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| <b>I.51</b> | 688925 | Nedjar ibrahim ,<br>Mouffak adnane ,<br>Senoussaoui mohammed<br>El Amine  | HEALTH INDEX PREDICTION FOR POWER<br>TRANSFORMERS USING MATLAB REGRESSION LEARNER  |
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| <b>I.54</b> | 688933 | Ouici abdelbassit<br>Abdessamed , Cherif<br>Taiba abdellah ,<br>Mahmoudi youcef ,<br>Belkhatir mostefa                      | INFLUENCE DES CONDITIONS INITIALES SUR LA<br>RESISTANCE AU CISAILLEMENT DE TROIS SABLES  |

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| <b>I.56</b> | 688907 | Sendjasni sarra ,<br>Berradia mohammed ,<br>Holschemacher klaus ,<br>Benzaid riad , Meziane el<br>Hadj                                       | FINITE ELEMENT INVESTIGATION OF AXIAL LOAD<br>CAPACITY AND DUCTILITY OF FRP-CONFINED<br>CONCRETE-FILLED STEEL TUBE COLUMNS                              |
| <b>I.57</b> | 686808 | Terrah hanaa Kawther ,<br>Maaden hafsa ,<br>Kameche zine El Abidine<br>, Siad hocine ,<br>Lachemi mohammed ,<br>Houmadi youcef               | PERFORMANCE THERMIQUE ET ENERGETIQUE D'UN<br>COMPOSITE CIMENTAIRE BASE DE SEDIMENTS<br>CALCINES EN CLIMAT MEDITERRANEEN                                 |
| <b>I.58</b> | 692282 | Youcef abcha , Imen asli ,<br>Abderezak rabahi   | ANALYSE DES CONTRAINTES DE CISAILLEMENT D'UNE<br>POUTRE CONSOLE EN BETON ARME RENFORCEE PAR<br>MATERIAUX COMPOSITES SOUS CHARGEMENT<br>THERMOMECHANIQUE |
| <b>I.59</b> | 688650 | Zineb fares , Mohamed<br>Seghir zahira ,<br>Khelladi malika ,<br>Amina mezouagh ,<br>Djilali nassira ,<br>Benatmane saadiya ,<br>Feddal imen | DENSITY FUNCTIONAL THEORY (DFT) STUDY OF NEW<br>PEROVSKITE MATERIALS: POTENTIAL CANDIDATES FOR<br>PHOTOVOLTAIC APPLICATIONS                             |
| <b>I.60</b> | 696324 | Toufik Sebkaoui, Nesrine<br>El Houari, Omar Taleb  | COMPREHENSIVE REVIEW AND FUTURE PERSPECTIVES<br>ON PREDICTION AND MITIGATION OF TUNNEL-INDUCED<br>GROUND SETTLEMENT                                     |
| <b>I.61</b> | 690914 | Achour mokhtar ,<br>Nadia belas ,<br>Rachid hadjsadok ,<br>Bouhamou nasr Eddine ,<br>Belaribi omar   | L'utilisation de sediments calcines et de fillers calcaires en tant<br>qu'ajouts mineraux pour remplacer partiellement le ciment                        |
| <b>I.62</b> | 688564 | Ezziane manal ,<br>Ezziane karim ,<br>Adjoudj m'hamed ,<br>Ezziane sarra Malak ,<br>Abdoun manel   | Eco-mortar made from fine fractions of ceramic powder derived<br>from demolition waste, as a cementitious substitute                                    |
| <b>I.62</b> | 688555 | Ezziane manal ,<br>Ezziane karim ,<br>Adjoudj m'hamed ,<br>Ezziane sarra Malak ,<br>Abdoun manel   | Eco-friendly mortar containing varying amounts of brick waste<br>powder as a cement substitute  |
| <b>I.63</b> | 688398 | Besseghier abderrahmane  | Analyse de la vibration libre des micropoutres en mousse métallique<br>utilisant la théorie à gradient de déformation                                   |
| <b>I.64</b> | 688476 | Mohamed zidi,<br>Noureddine Ziane,<br>Abdellah Mahieddine,<br>Rachid Zahi, Sid Ahmed<br>Meftah   | Stability of prestressed steel I beams subjected to fire  |

## Poster Session II:

Workshop: *Mustapha Benaissa Conference room (Hall)*

07-02-2026

**12h00- 13h00**

Evaluators: *Dr. BADACHE Abdelhak*  
*Pr.GHEMBAZA Moulay Smain*  
*Dr. ZEMRI Amine*  
*Dr. BENSELAMA Khadidja*  
*Dr. SAFA Abdelkader*  
*Dr. HAMADACHE Miloud*  
*Dr. ABDELHAK Zohra*

|              | <i>Code</i> | <i>Authors</i>   | <i>Title</i>  |
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| <b>II.1</b>  | 700798      | Omar Belaribi, Nadia Belas, Omar Safer, R. Hadj Sadok, Khalil Belguesmia, M. Achour                    | EFFET DE LA PERLITE DE MAGHNIA SUR LE COMPORTEMENT MECANIQUE ET LA CONDUCTIVITE THERMIQUE DES MORTIERS  |
| <b>II.2</b>  | 686913      | Messaoudi mohamed  | LE LAITIER D'ACIERIE EN ALGERIE : PROPRIETES, UTILISATIONS ET PERSPECTIVES DANS LE CADRE DE LA NOUVELLE REVOLUTION INDUSTRIELLE                         |
| <b>II.3</b>  | 693702      | Abbache ali , Youzera hadj , Meftah sid Ahmed  | CONTRIBUTION L'ETUDE DE L'AMORTISSEMENT NON LINEAIRE DANS LES POUTRES SANDWICHES  |
| <b>II.4</b>  | 688993      | Abdelbaki cherouana , Laouche nassim , Dib kheireddine   | INTELLIGENT ENERGY MANAGEMENT WITH INTEGRATED ADAPTIVE MPPT AND BMS FOR STANDALONE PHOTOVOLTAIC SYSTEMS   |
| <b>II.5</b>  | 692138      | Abderezak rabahi , Tahar hassaine Daouadji , Rabia benferhat   | CALCUL AUX ETATS LIMITES DES POUTRES EN BETON ARME RENFORCEES PAR COLLAGE EXTERNE DES COMPOSITES : DETERMINATION DES SECTIONS DU COMPOSITE              |
| <b>II.6</b>  | 692297      | Achour aida , Klouche faiza , Bahar sadek  | REPAIRED CONCRETE BEAM STRUCTURE UNDER DIFFERENT CASES OF LOADS   |
| <b>II.7</b>  | 688525      | Addou farouk Yahia , Hebbar imène , Bourada fouad , Mohamed bourada , Tounsi abdelouahed               | ANALYSE DU COMPORTEMENT CRITIQUE DES COQUES € DOUBLE COURBURE SOUMISES € DES CHARGES NON UNIFORMEMENT REPARTIES SUR LES BORDS                           |
| <b>II.8</b>  | 693505      | Arrar amina , Ali Hadj chikh   | COMPUTATIONAL EXPLORATION OF STRUCTURAL, ELECTRONIC AND OPTICAL CHARACTERISTICS OF SR2CDWO6 DOUBLE PEROVSKITE FOR FUNCTIONAL OPTOELECTRONIC ENGINEERING |
| <b>II.9</b>  | 685118      | Azzaz belkassim , Bensoula mohamed , Mostefa fouzia , Zaoui mohamed , Zelmat yassine , Berriache ahmed | INFLUENCE OF ADDITIVES ON THE MECHANICAL PROPERTIES OF HIGH-MODULUS ASPHALT CONCRETE.   |
| <b>II.10</b> | 692327      | Azzouz Rached ahmed , Ouadha ismail , Rekab-Djabri hamza , Traiche mohammed                            | A DFT-BASED INSIGHT INTO THE PHYSICAL PROPERTIES OF NEW QUATERNARY MAX PHASES TI2MSIC2 COMPOUNDS: TOWARD TBC APPLICATION                                |
| <b>II.11</b> | 692412      | Bahar sadek , Achour aida , Amamra laid , Rezigua ahmed  | NUMERICAL ASSESSMENT OF IN-PLANE DIAPHRAGM FLEXIBILITY AND OPENING EFFECTS IN SINGLE-STORY REINFORCED CONCRETE BUILDINGS                                |

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| <b>II.13</b> | 688848 | Becheri houciné ,<br>Baadji bousaadia ,<br>Toumi toufik ,<br>Naimi abdelhamid                             | MRAS METHOD FOR SPEED CONTROL OF DFIG<br>INTEGRATED IN A WIND CONVERSION SYSTEM  |
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| <b>II.15</b> | 687968 | Beldjelili youcef ,<br>Zidi mohamed ,<br>Benameur imad  | PRACTICAL IMPLEMENTATION OF A CONSTITUTIVE LAW<br>FOR FGM SANDWICH PLATES IN COMMERCIAL FINITE<br>ELEMENT SOFTWARE   |
| <b>II.16</b> | 688915 | Belkheir wissem ,<br>Tebboune wafa ,<br>Bounouara zahra ,<br>Hadjadj fatima Zohra                         | DETERMINANTS OF CAPACITY AT SIGNALIZED<br>INTERSECTIONS: A MULTIDIMENSIONAL ADJUSTMENT-<br>FACTOR APPROACH   |
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| <b>II.22</b> | 688408 | Boudjeltia mohammed<br>Amine , Benosmane sarah<br>, Aziz zoubir ,<br>Terkhi sabria                        | AB INITIO INVESTIGATION OF WIDE-BANDGAP OPTICAL<br>FEATURES OF D0 HALF-HEUSLER SEMICONDUCTOR   |
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| <b>II.24</b> | 688633 | Chelih amine ,<br>Yanallah abdelkader ,<br>Yanallah khelifa   | INFLUENCE OF GROUNDED ELECTRODE INCLINATION ON<br>THE PERFORMANCE OF A CORONA DISCHARGE EHD<br>BLOWER  |
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| <b>II.27</b> | 681707 | Djilali nassira , Fares zineb , Addou farouk Yahia   | NONLINEAR BEHAVIOR OF FG CNTCRS PLATES IN THERMAL ENVIRONMENT  |
| <b>II.28</b> | 691284 | Youcef ahmed, Karima bezzine, Oualid cheref, Makhlouf khirat, M'hamed larbi, Ahmed benamara, Djamel rached | Ab Initio Investigation of Topological Insulating States in Heusler Compounds  |
| <b>II.29</b> | 688947 | Fatima Zohra hadjadj , Wafa tebboune , Wissem belkheir , Zahra bounouara                                   | EVALUATION DES CARACTERISTIQUES GEOTECHNIQUES DU SOL SALIN DE LA GRANDE SEBKHA D'ORAN PAR LA REMEDIATION ELECTRIQUE                  |
| <b>II.30</b> | 691888 | Gaid feriel  | AB INITIO STUDY OF TRANSITION METAL-BASED FULL-HEUSLER ALLOYS FOR SUSTAINABLE THERMOELECTRIC PROPERTIES                              |
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| <b>II.33</b> | 688105 | Hamidane ouafa   | INSIGHTS INTO PHASE TRANSITIONS AND ELECTRONIC CHARACTERISTICS OF ALL-D-METAL HEUSLER COMPOUNDS X <sub>2</sub> VTI (X= CO, CU ,AG).  |
| <b>II.34</b> | 691783 | Harchouche zine El Abidine , Cheriet cheriet , Nehari taieb , Lousdad abdelkader                           | FINITE ELEMENT MODELLING OF ELLIPSOIDAL PARTICULATE COMPOSITES USING 3D REPRESENTATIVE VOLUME ELEMENTS                               |
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| <b>II.43</b> | 688875 | Mehala tewfik ,<br>Mebarki fatima Zohra ,<br>Addou farouk Yahia ,<br>Hebbar imène ,<br>Tounsi abdelouahed | FLEXION DES PLAQUES COMPOSITES POREUSES SUR FONDATION ELASTIQUE: MODÈLE IFSDT SOUS CHARGEMENT SINUSOÏDAL   |
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**Poster Session III:****Workshop: Mustapha Benaissa Conference room (Hall)**

07-02-2026

**14h00-16h00**

Evaluators: Dr. HADJ MOSTEFA Adda

Dr. BADACH Abdelhak

Dr. ZINE Abdallah

Dr. MENAD Kamel

Dr. LATROUCH Nourdine

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| <b>III.59</b> | 690982 | Serbah boumediene, Kechachni mohamed, Ouabli houari   | Numerical Modeling and Parametric Analysis of Tunnel Excavation Using PLAXIS: Application to the Algiers Metro Tunnel       |
| <b>III.60</b> | 684335 | Belkafouf ikram, Belkafouf nour El Houda, Rahmani rachida, Mokhtar adel, Chouaih abdelkader | Caractérisation Computationnelle De Composés Dérivés Du Nitrothiophène Pour Leur Intégration Dans Les Textiles Intelligents |
| <b>III.61</b> | 688579 | Bouabdellah feredj, Nabil abou-Bekr, Bencheikh mohamed                                      | Influence of Raw Materials Microstructure on the Water Durability and Mechanical performance of Earth Cement Mortars        |
| <b>III.62</b> | 688842 | Chelili seifeddine, Dahmani khedidja, Mekibes zohra   | Enhanced Removal of Methyl Thionium Chloride from Water Using KOH-Activated Carbon  |
| <b>III.63</b> | 695190 | Menad kamel, Abdelzhak zohra, Benabdellah mohamed   | Structural robustness and mitigation of progressive collapse in multi-story buildings: A numerical study                    |
| <b>III.64</b> | 692716 | Zine abdallah, Djillali Beida maamar, Bachir nacer  | L'influence du règlement Eurocode 3 sur l'analyse du comportement des assemblages poteaux-poutres boulonnés                 |
| <b>III.65</b> | 686890 | Krim abdallah , Brahim abdelkader , Bouri djamel Eddine , Chemmam mohammed , Arab ahmed     | Influence du renforcement par des fibres sur les propriétés mécaniques d'un sol sableux                                     |
| <b>III.66</b> | 686872 | Krim abdallah , Brahim abdelkader , Bouri djamel Eddine , Chemmam mohammed , Arab ahmed     | Effet des variations des teneurs en eau sur le comportement mécanique d'une argile compactée                                |
| <b>III.67</b> | 696042 | Ahmed Boukhari, Abdelkader Fidjah   | Sustainable Bio-Composites: Evaluating the Influence of Palm Fiber and Lime on Adobe Brick Performance                      |
| <b>III.68</b> | 712270 | AMEUR BACHIR, ZINE ABDALLAH, BERRABAH HAMZA MADJID  | Development of a new higher-order theory of non-local effects in cylindrical structures                                     |

*Second day (08-02-*  
*2026)*

*Oral online program*

**Topic 01: Structures**

**Session: 01**

**Link: <https://meet.google.com/fmi-ymmq-hou>**

| 08-02-2026<br>9h00-12h00 |             | Online Session 1<br>Evaluators:<br>- Dr MENAD Kamel  |  |
|--------------------------|-------------|--|--|
|                          | <b>Code</b> | <b>Authors</b>   | <b>Title</b>   |
| <b>1</b>                 | 682577      | Aichouni sara  | Analysis of the Physical, Mechanical, and Thermal Properties of a Heusler $\text{xx}\hat{\text{e}}^2\text{YZ}$ Material and Evaluation of Its Thermoelectric Performance |
| <b>2</b>                 | 688278      | Benaied brahim ,<br>Hemsas miloud ,<br>Hentri mohamed  | Analyse du comportement sismique inelastique des structures en beton arme presentant des irregularites verticales de masse et de rigidite                                |
| <b>3</b>                 | 688587      | Benmerabet oussama ,<br>Bendaas azeddine   | Numerical modelling of a soil-inclusion-mattress system subjected to cyclic loading  |
| <b>4</b>                 | 693709      | Chaieb zahira ,<br>Benabboun radjaa  | Ksrc : A NOVEL HALF-HEUSLER COMPOUND FOR ENERGY APPLICATION  |
| <b>5</b>                 | 688569      | Fellouh mohamed ,<br>Draiche kada ,<br>Bekki hadj  | A refined higher order shear deformation theory for bending analysis of exponentially graded plates.   |
| <b>6</b>                 | 693548      | Hadef djallal ,<br>Mansouri tarek ,<br>Mazouz badis  | Behavior of flexible pavement under dynamic traffic loading using finite element analysis  |
| <b>7</b>                 | 692155      | Khallel nihad ,<br>Guettiche abdelhak ,<br>Lecheheb mostafa ,<br>Soltane mohamed<br>Abdelali | Seismic vulnerability analysis of moderate seismicity areas using the Risk-ue method: Application to Belle vue, Constantine  |
| <b>8</b>                 | 693794      | Mamouni youssra ,<br>Khebizi mourad ,<br>Guenfoud mohamed                                    | Modélisation prédictive de la réponse élastoplastique la torsion des poutres en matériaux gradient fonctionnels  |
| <b>9</b>                 | 693682      | Sara khemili , Mounir<br>ZIATI   | Comparative Evaluation of Homogeneous and Heterogeneous Electro-Fenton Processes for Industrial Wastewater Treatment   |
| <b>10</b>                | 692374      | Seddik soundous ,<br>Khebizi mourad ,<br>Guenfoud mohamed                                    | Finite element modeling of functionally graded sandwich sigmoid beam using plug-in and subroutine  |
| <b>11</b>                | 694840      | Taguia yahia , Si<br>Youcef youcef ,<br>Amziane sofiane                                      | Flexural strengthening limits of shear critical under armed RC T-beams using GFRP  |
| <b>12</b>                | 692112      | Benhamoud ahlam  | THE STRUCTURAL PROPERTIES OF FERROMAGNETIC ALLOY THIN FILMS  |
| <b>13</b>                | 687816      | Rachida mohamed<br>Krachai, Ismail mechab,<br>Noureddine elmeiche,<br>Hichem abbad           | ETUDE DYNAMIQUE DES POUTRES MIXTES BOIS-BETON AVEC UN NOUVEAU CHAMP DE GLISSEMENT INTERLAMINAIR DU 1ER ORDRE   |
| <b>14</b>                | 687815      | Rachida mohamed<br>Krachai,<br>Noureddine elmeiche,<br>Ismail mechab,<br>Hichem abbad        | ETUDE STATIQUE DES POUTRES MIXTES EN BOIS -BETON AVEC UN NOUVEAU CHAMP DE GLISSEMENT INTERLAMINAIR DU 1ER ORDRE  |
| <b>15</b>                | 706431      | Kheira Belhamideche,<br>Nadia Laredj, Mustapha<br>Maliki, Hanifi<br>Missoum.                 | Seasonal hydrothermal variations' impact on a geothermal heat pump's efficiency  |

**Topic 01: Structures**

Session: 02

Link: <https://meet.google.com/nbp-qjak-snc>

| 08-02-2026<br>9h00-12h00 |             | Online Session 1<br>Evaluators:<br>- Dr LATROUCH Nouredine   |  |
|--------------------------|-------------|--|--|
|                          | <i>Code</i> | <i>Authors</i>   | <i>Title</i>   |
| <b>1</b>                 | 691986      | Yeddiou belkis Selsabil ,<br>Bensegueni m.abdellatif   | A Synthesis, crystal structure and Hirshfeld surface analysis of a new Fe(III) Coordination complex with 1,10-phenanthroline                           |
| <b>2</b>                 | 688918      | Abdesselam abderrahmane<br>, Merdas abdelgahni   | Numerical Evaluation of the Thermal Sensitivity of the FRP-Concrete Interface Behavior in Strengthened Concrete  |
| <b>3</b>                 | 690868      | Bekkar nour El Houda   | Isolation and identification of main bioactive substances contained in phenolic extracts of capsicum annum and syzygium aromaticum                     |
| <b>4</b>                 | 692435      | Boutasta amel ,<br>Benosman abdelhakim ,<br>Djelmoudi ilhame   | Molecular Organic Solar Cells: Structural, Electronic, and Optical Properties of P3HT [Poly(3-hexylthiophene)] via Density Functional Theory (DFT).    |
| <b>5</b>                 | 688701      | Bouzeriba asma   | Finite element analysis of pressurized hollow cylinders made of functionally graded material.  |
| <b>6</b>                 | 690912      | Chalane mourad ,<br>Latrache mohamed ,<br>Labiodh bachir   | Etude numerique comparative de batiments multi-etages en beton arme : beton ordinaire et beton leger a base d'argile expanse                           |
| <b>7</b>                 | 692308      | Daci abderaouf ,<br>Benmansour nassima ,<br>Derbal rachid ,<br>Bentifour abdellatif  | Investigation expérimentale et modélisation analytique et numérique du comportement dynamique d'un portique métallique masse variable.                 |
| <b>8</b>                 | 692325      | Guettafi nesrine   | Evaluation de la performance sismique des batiments en beton arme renforces par des murs de cisaillement   |
| <b>9</b>                 | 684698      | Hebali habib ,<br>Djidar fatima Zohra ,<br>Boulefrakh laid   | Investigation of the buckling behavior of functionally graded plates using a novel four-variable refined plate theory                                  |
| <b>10</b>                | 692449      | Khene ahmed ,<br>Messaoudi rahma ,<br>Merzoud moulood  | Evaluation de la performance du renforcement ebr en fibres de carbone pour les elements flechis en beton   |
| <b>11</b>                | 695207      | Ouahiba taleb ,<br>Sekkel mohamed ,<br>Abdeljalil Meksi Rabbab<br>Bachir Bouiadjra Samir<br>Benyoucef Abdelouahed<br>Tounsi abdeljalil Meksi<br>Rabbab Bachir Bouiadjra<br>Samir Benyoucef<br>Abdelouahed Tounsi | Etude du comportement vibratoire libre des poutres courbes poreuses en matériaux gradation fonctionnelle bidirectionnelle dépendante de la température |
| <b>12</b>                | 688073      | Mohammed Housseem<br>Eddine guerine  | Comparative Study on the Effect of Curvature on the Fundamental Frequencies of Power-Law FG Sandwich Shells with Soft and Hard Homogeneous Cores       |
| <b>13</b>                | 693694      | Fellah ahmed,<br>Bezzine karima  | Free vibration analysis of bidirectional functionally graded double-tapered beam   |
| <b>14</b>                | 688839      | Ait Ramdane idir,<br>Kahil amar  | Influence de la disposition des murs de remplissage en maçonnerie sur le comportement  |

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|  |  |  | sismique des structures en portiques en béton armé. |
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**Topic 01: Structures**

**Session: 03**

**Link: <https://meet.google.com/xib-guzf-iby>**

| 08-02-2026<br>9h00-12h00 |             | Online Session 1<br>Evaluators:<br>- Dr BADACHE Abdelhak            |  |
|--------------------------|-------------|---|--|
|                          | <i>Code</i> | <i>Authors</i>  | <i>Title</i>   |
| <b>1</b>                 | 678300      | Tabet mohamed ,<br>Benoui imad                                      | Numerical Simulation and Hysteretic Characterization of CFST Beam-Column Joints Using Robot Structural Analysis and Python-Based Post-Processing |
| <b>2</b>                 | 688806      | Belghoul hakima ,<br>Merdaci slimane ,<br>Boussahra sara            | Modélisation et simulation numérique d'avancée de la réparation par collage appliqués aux structures endommagées                                 |
| <b>3</b>                 | 692447      | Guendouz ilies<br>Khezzane abdenour , Al<br>Ali rana                | Numerical Free Vibration Analysis of Thin-Walled Composite I-Beams Using Higher-Order Beam Theories  |
| <b>4</b>                 | 692344      | Moumeni ouahiba   | Structural design and physicochemical characterization of two organophosphonate compounds  |
| <b>5</b>                 | 692150      | Yeddiou belkis Selsabil ,<br>Bensegueni m.abdellatif                | Crystal Structure, Hirshfeld Surface Analysis of a Cadmium (II) Coordination complex with 2-pyridyltetrazole                                     |
| <b>6</b>                 | 688794      | Kassoul mohamedabdenour<br>, Zemri amine ,<br>Berrabah hamza Madjid | Analytical Modeling of Bending and Vibration of Functionally Graded Beams Using Higher-Order Shear Deformation Theories                          |
| <b>7</b>                 | 688016      | Remil aicha   | A Novel Refined Model for Stability Analysis of FG-CNT Reinforced Structures   |
| <b>8</b>                 | 683084      | Abkari imen , Abderrahim<br>Mahindad naima                          | Analyse correlative des gradients thermiques dans les façades fissurées exposées aux variations climatiques                                      |
| <b>9</b>                 | 688394      | Abdelhak Derras,<br>Djidar fatima Zohra,<br>Hebali habib            | 2d and 3d shear deformation theories for free vibration analysis of fgm plates on a winkler-pasternak elastic foundation                         |
| <b>10</b>                | 688291      | Djidar fatima Zohra ,<br>Hebali habib ,<br>Laid boulefrakh          | A four-variable higher-order shear deformation theory for the bending analysis of functionally graded plates                                     |
| <b>11</b>                | 681464      | Faroudja meziani ,<br>Amar kahil ,<br>Younes boussadia              | MECHANICAL IMPROVEMENT OF CLAY USING COMBINED SILICA FUME, CEMENT AND LIME STABILIZATION   |
| <b>12</b>                | 681461      | Amar kahil,<br>Faroudja meziani                                     | CONTRIBUTION OF RIGID INCLUSIONS AND LOAD TRANSFER PLATFORM TO THE REDUCTION OF RAFT FOUNDATION SETTLEMENTS: A FINITE ELEMENT STUDY              |
| <b>13</b>                | 688949      | Sadoun mohamed,<br>Benmahdi khaled,<br>Zemri cheikh, Meksi ali      | Analysis Of Interface Stresses Of A Metal Beam Reinforced With A Composite Plate   |

**Topic 02: Engineering**

**Session: 01**

**Link: <https://meet.google.com/udk-daac-wbg>**

| 08-02-2026<br>9h00-12h00 |             | Online Session 1<br>Evaluators:<br>- Dr ABDELHAK Zohra  |  |
|--------------------------|-------------|---|--|
|                          | <b>Code</b> | <b>Authors</b>  | <b>Title</b>   |
| <b>1</b>                 | 684954      | Ahmed Ammar bouziyen , Nouri said   | numerical studies of clay behavior in undrained, reinforced, and unreinforced conditions under                                     |
| <b>2</b>                 | 688473      | Aich zoubir , Djellouli khaled , Haddouche kamel , Hachemi islam , Abdelhamid ghezal  | determination and validation of johnson's cook constitutive parameters for carbon steel cutting: a case study                      |
| <b>3</b>                 | 688787      | Allali mohammed Djamel Eddine , Benyounes hassiba , Amiri nesrine   | design and simulation of a multistage extraction column using emim-etsol, for toluene/n-octane separation                          |
| <b>4</b>                 | 693812      | Amrane wahiba , Karmaoui mohamed  | synthese et caracterisation d'une structure organo-metallique performance catalytique ameliee                                      |
| <b>5</b>                 | 692315      | Asseli aymen Elouanas , Benessalah ismail , Hamrouni adam , Khadraoui seif Eddine   | mechanical behaviour of geocell-reinforced granular soils  |
| <b>6</b>                 | 692202      | Belkacem mokhtar , Babakhali mohamed , Merdji ali , Aminallah laid  | experimental investigation of the impact of friction stir welding on mechanical strength in polymers                               |
| <b>7</b>                 | 688890      | Bendaas azeddine , Oussama benmerabt  | stress distribution around the conduit buried within a soil slope  |
| <b>8</b>                 | 690163      | Boudehene mohamed , Rouaiguia ammar , Lafifi brahim   | etude physico-mecanique d'un sol argileux expansif renforce par fibres de luffa  |
| <b>9</b>                 | 693554      | Bouhadjar souada , Hichem farah , Boukhalfa radhia  | the impact of film thickness on the structural, morphological and optical properties of sol-gel dip coated silver oxide thin films |
| <b>10</b>                | 688534      | Hadjouti abderraouf   | bridge pier scour under climate extremes mechanisms, modeling, and resilience strategies   |
| <b>11</b>                | 685392      | Hamlaoui asma , Lafifi brahim , Hamza saloua , Rouaiguia ammar  | improvement of clayey soil by additive stabilization: a mechanical and microstructural analysis                                    |
| <b>12</b>                | 691582      | Moussaoui boualem, Bouamra youcef, Aittahar kamal, Laouchedi dalila, Mokeddem youssef, Glaoui bachir, Bouamra messaoud, Adjal leila | Partial Confinement of the Concrete Columns with GFRP Composites Materials   |

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| 13 | 707094 | SI AHMED Yasmina,<br>HADJERSI Toufik,<br>DERKAOUI Khaled,<br>MANSERI Amar, FRIHA<br>Seif-Eddine | Turning the photocatalytic properties of ternary nickel-cobalt oxide on silicon nanowires through controlled hydrothermal deposition time |
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**Topic 02: Engineering**

**Session: 02**

**Link: <https://meet.google.com/sgd-xobg-qzx>**

| 08-02-2026<br>9h00-12h00 |        | Online Session 1<br>Evaluators:<br>- Dr CHAIB Ouadah                           |  |
|--------------------------|--------|--|--|
|                          | Code   | Authors  | Title  |
| 1                        | 693818 | Hamza saloua ,<br>Lafifi brahim ,<br>Hamlouia asma ,<br>Rouiguia ammar         | modelisation et optimisation du comportement des parois clouees a l'aide des reseaux de neurones artificiels (ann) et de la methode des surfaces de reponse (rsm). |
| 2                        | 692454 | Kramdi karima  | effect of eccentricity on the thermal performance of journal bearings  |
| 3                        | 693331 | Rabaa benessedik ,<br>Abderrahim achouri ,<br>Aziez zeddouri ,<br>Meriem touil | a caracterisation study of two rocks samples from khanguet sidi nadji biskra   |
| 4                        | 693778 | Tazibt nedjma ,<br>Kaci mustapha ,<br>Dehouche nadjet                          | effect of silane-modified hydroxyapatite on the mechanical and thermal performance of pla composites   |
| 5                        | 697155 | Yagoubi Omar, Ait Atman<br>Hassan, Nebab Mokhtar                               | modelling of bending and free vibration of porous functionally graded (pfg) beams resting on elastic foundations   |
| 6                        | 698406 | Tarek Khatir, Salim<br>Houamer   | dynamics of methane ionization by electron impact: a variable-charge coulomb wave approach   |
| 7                        | 688567 | Aissaoui soufyane ,<br>Chalabi youssouf ,<br>Zadjaoui abdeldjalil              | assessment of the at-rest earth pressure coefficient ( $k_a$ , $\epsilon$ ) using a high-resolution innovative pressuremeter                                       |
| 8                        | 693689 | Beloufa nabil ,<br>Boualem kada ,<br>Bekheira samir                            | study of structural and optoelectronic properties of (sc/n) and (y/n) co-doped tio2 rutile: via dft  |
| 9                        | 691562 | Boukli-Hacene rabab ,<br>Otmame maner ,<br>Arbaoui bouchra                     | development of a smart waste management system using artificial intelligence   |
| 10                       | 693553 | Kabache fayçal ,<br>Hocine salima ,<br>Nekkaa sorya ,<br>Guessoum melia        | modification of pine cone fibers via alkali-silane treatments: structural and thermal property evaluation  |
| 11                       | 693807 | Khelloul nawel ,<br>Benhalima nadia ,<br>Chouaih abdelkader                    | computational investigation of the structural, electronic, and intermolecular properties of (e)-3-(3,4-dimethoxyphenyl)-1-(2-thienyl)prop-2-en-1-one               |
| 12                       | 703766 | Latifa BETTADJ,<br>Mohammed Reda   | AI-Driven Prediction and Optimization of MXene Properties for Energy and Electronic  |

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|    |        | BOUFATAH, Tarik<br>OUAHRAN      |   |
| 13 | 693774 | Chikh Ali hadji,<br>Arrar amina | Tailoring Phonon and Electronic Properties of<br>Double Perovskites via Ab-Initio Strain<br>Engineering |

**Topic 02: Engineering**

**Session: 03**

**Link: <https://meet.google.com/uqx-fryt-hav>**

| 08-02-2026<br>9h00-12h00 |        | Online Session 1<br>Evaluators:<br>- Dr ZEMRI Amine                        |   |
|--------------------------|--------|--|---|
|                          | Code   | Authors  | Title   |
| 1                        | 688747 | Khiter anissa  | AI-Driven Analysis of EEG Signals for Detecting Neurophysiological Changes Associated with Drug Addiction: A Contemporary Literature Review         |
| 2                        | 692443 | Sarah djouimaa ,<br>Sabrina missaoui ,<br>Houda houam ,<br>Madani sid      | Valorization of granulated blast furnace slag for the stabilization of expansive soils in souk ahras, algeria                                       |
| 3                        | 690924 | Sidi Mohamed el Hassar ,<br>Didouche zahia , Ait<br>Mohamed adem           | Effet des dispositifs d'isolation sur le comportement sismique des structures € contreventement constitue de voiles                                 |
| 4                        | 693410 | Asli naima , Naima talem<br>, Lakhdar boumia ,<br>Mansouri b               | Receiver-tube diameter effect and nanofluids  |
| 5                        | 693687 | Belmihou hacene ,<br>Ghoulem Kamel, Baziz<br>Karim                         | Treatment of the mechanical properties of clay soil through additives: direct shear tests in boxes  |
| 6                        | 687541 | Messas amar ,<br>Belhocine malika ,<br>Boulifa djaffar ,<br>Youcef bouafia | Prediction of the compressive strength of mortar exposed to sulphate attack using artificial neural networks  |
| 7                        | 692200 | Babakhali mohamed ,<br>Merdji ali ,<br>Aminallah laid                      | Examination of hot-dip galvanizing's ability to preserve steel from corrosion and the development of its mechanical characteristics                 |
| 8                        | 693691 | Beloufa nabil ,<br>Boualem kada ,<br>Bekheira samir                        | Study Of Structural And Optoelectronic Properties Of Ca, (X= Sc, Y And La): Via Dft   |
| 9                        | 684498 | Messas amar ,<br>Belhocine malika ,<br>Boulifa djaffar ,<br>Bouafia youcef | Artificial Neural Network-Based Prediction of Compressive Strength for Blast Furnace Slag Concrete Mixes  |
| 10                       | 685138 | Merdaci slimane  | Effect of temperature on the natural frequency of functionally graded rectangular plates using three-dimensional elasticity theory                  |
| 11                       | 690160 | Mohamed boudehene,<br>Ammar rouaiguia,<br>Brahim lafifi                    | Effet des fibres de luffa sur les caractéristiques chimiques et microstructurales du sol gonflant (pH, VBS, DRX, MEB, XRF)                          |
| 12                       | 706427 | Aicha Kablia, Rabia<br>Benferhat, Tahar Hassaine<br>Daouadji               | Dynamic of behavior for imperfect FGM plates resting on elastic foundation containing various distribution rates of porosity: Analysis and modeling |

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| <b>13</b> | 693699 | Temzini rachida,<br>Bourourou yahia,<br>Oulebda hichem | First-Principles Investigation of Half-Metallic Ferromagnetism in the PdFeCrSi Quaternary Heusler Alloy for Thermo-Spintronic Applications |
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**Topic 03: Materials**

**Session: 01**

**Link: <https://meet.google.com/ove-svad-noe>**

| 08-02-2026<br>9h00-12h00 |             | Online Session 1<br>Evaluators:<br>- Dr. SEKKAL Mohamed                               |   |
|--------------------------|-------------|---|---|
|                          | <b>Code</b> | <b>Authors</b>  | <b>Title</b>  |
| <b>1</b>                 | 692175      | Mokrani ilhem   | impact of olive pomace as partial sand replacement on the thermal conductivity of mortars                             |
| <b>2</b>                 | 684902      | Abdelkader Ilias bouadi ,<br>Mohamed mokhtari ,<br>Fethallah dahmane ,<br>Mahdi abane | magneto-electronic properties of full-heusler alloys: a first-principles approach                                     |
| <b>3</b>                 | 688712      | Benyounes isra ,<br>Hamadouche abdelmalek ,<br>Bacha yasmine                          | comparative numerical study of fin configurations for enhancing pcm melting   |
| <b>4</b>                 | 690737      | Amrane marouane ,<br>Makhloufi zoubir ,<br>Omrane mohammed                            | the effect of replacing 5% of cement with polymer latex on improving mortar absorption.                               |
| <b>5</b>                 | 685872      | Bakhadda roqiya , Driss Djafari driss , Ben Abd Allah chrifa ,<br>Labbaci yasser      | thermal and physio-chemical evaluation of adrar clay as a natural insulator in sustainable construction               |
| <b>6</b>                 | 693783      | Basset rahab , Moulai Ali b. , Mabrouk Nour eliakine Rahab                            | optimization of the durability and strength of composite structures through an in-depth analysis of crack propagation |
| <b>7</b>                 | 692247      | Batouche fatiha ,<br>Ameur mohamed Fayçal ,<br>Zitoune redouane                       | fatigue behavior characterization of flax/epoxy composite material using non-destructive techniques                   |
| <b>8</b>                 | 692417      | Belarbi fella ,<br>Ezziane mohammed   | a comparative experimental study on pet and pp fiber-reinforced mortars   |
| <b>9</b>                 | 688631      | Benaceur hadda  | structural and morphological characterization of ecological composites based on recycled hdpe and agricultural waste  |
| <b>10</b>                | 688522      | Benhamdi ghania   | controlled nitric oxide delivery using plasma-activated zeolite a for therapeutic applications                        |
| <b>11</b>                | 692402      | Benmehidi said ,<br>Bordjiba abdelhak   | materiaux et sismicite dans le bati romain  |
| <b>12</b>                | 692399      | Boutarfa meriem ,<br>Redjem belouettar  | DURABILITE DES MORTIERS ET DES FIBRES VEGETALES DANS DIVERS MILIEUX AGRESSIFS   |
| <b>13</b>                | 688625      | Brixi nezha Khedoudja,<br>Youssari fatima Zohra,<br>Alioui zoulikha,<br>Mehdi kawtar  | Shrinkage Behavior of Steel Fibre–Reinforced Mortars  |

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| 14 | 686587 | Bouras manal,<br>Toufik boubekeur,<br>Salhi mohamed,<br>Benyahia amar | Combined Effect of Natural Fibers and Rubber<br>Tire Waste on the Properties of Sustainable<br>Mortars |
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**Topic 03: Materials**

**Session: 02**

**Link: <https://meet.google.com/dti-efnt-dsk>**

| 08-02-2026<br>9h00-12h00 |        | Online Session 1<br>Evaluators:<br>- Dr. SAFER Omar  |   |
|--------------------------|--------|--|---|
|                          | Code   | Authors  | Title   |
| 1                        | 693797 | Bergad mohamed ,<br>Dif fodil ,<br>Omrane mohamed  | Influence de la fumée de silice sur les propriétés à l'état frais et durci des bétons autoplaçants incorporant différents types de granulats.       |
| 2                        | 687807 | Berkani moulay Driss ,<br>Benabed benchaa ,<br>Taleb omar  | Environmentally sustainable self-compacting mortars enhanced with recycled glass powder   |
| 3                        | 692220 | Bouabaz amel   | Amelioration Des Proprietes Mecaniques Du Beton Contenant Des Granulats De Pneus  |
| 4                        | 688940 | Boudjemaa mohamed ,<br>Zaidi ali ,<br>Bendjillali khadra   | Effect of Dune Sand Substitution on the Performance of Lime Mortars as a Sustainable Alternative to Crushed Limestone Sand                          |
| 5                        | 688369 | Boulakoud bilel  | Performances en flexion d'un Béton de fibres base de la vase calcinée   |
| 6                        | 691594 | Boumeftah ali  | Synthesis of New Nanocomposites Based on Poly (oâ€phenylenediamine) and ZrO2: Structural characterization, optical and thermal properties           |
| 7                        | 688761 | Boussahra sarra Mama<br>Nor El Houda ,<br>Belghoul hakima  | Analyse numérique et expérimentale de la réparation par patch composite des structures endommagees  |
| 8                        | 692422 | Boutaleb smail ,<br>Hodhaifa derdar  | green nanocomposites polymers/clay based on terpenes using green catalysts and Lewis acids (AlCl3)  |
| 9                        | 674897 | Charif rania ,<br>Makhloufi rachid   | Synthésis and caracterization of trirutile structure Zn1-xMgxSb2O6 (X=0, 0.5 and 1) solid solution  |
| 10                       | 688532 | Chenchouna hadjer  | Enhancing physical and mechanical behavior of performance of cement with brick powder and granite powder  |
| 11                       | 688342 | Cherigui azeddine ,<br>Benichou boucif ,<br>Bouchenafa halima ,<br>Radjel samia ,<br>Bouabdallah badra ,<br>Nabi zakia | Theoretical Investigations On The Structural, Elastic, Electronic, And Magnetic Features Of Sc2tlz (Z = Al, Ga) Full-Heusler Alloys                 |
| 12                       | 688843 | Djamed anfal ,<br>Krobba benharzallh   | Influence of Sisal Fibers on the Physical and Mechanical Properties of Self-Compacting Mortar   |
| 13                       | 688661 | Draouche khayra ,<br>Hadji lazreg ,<br>Ait Amar<br>Meziane mohamed   | Etude de l'effet de la porosité et des conditions aux limites sur les comportements dynamiques des plaques en matériaux gradient fonctionnel (FGM). |
| 14                       | 691892 | Larbi mhamed   | Density Functional Theory Study a Semiconductor   |

**Topic 03: Materials**

**Session: 03**

**Link: <https://meet.google.com/yek-snfu-aoi>**

| 08-02-2026<br>9h00-12h00 |             | Online Session I<br>Evaluators:<br>- Dr. SAFA Abdelkader                                 |   |
|--------------------------|-------------|--|---|
|                          | <b>Code</b> | <b>Authors</b>   | <b>Title</b>  |
| <b>1</b>                 | 678573      | Ghezal abdelaziz ,<br>Cheriet fayssal ,Taha<br>Hocine douara                             | Performance Enhancement and Sustainability in Asphalt Pavement Through Material Modification.   |
| <b>2</b>                 | 692224      | Guettioui merouane ,<br>Kellouche yasmina ,<br>Bougara abdelkader                        | Comparative Performance of ANN and SVM in Predicting the Compressive Strength of Slag-Based Mortar  |
| <b>3</b>                 | 688558      | Hadjer chouana ,<br>Badaoui mohamed ,<br>Sehil hafidha ,<br>Mimouni amina                | Development and Characterization of a Chitosan-Based Hydrogel Loaded with Nanoparticles for Environmental Applications                                      |
| <b>4</b>                 | 691923      | Harma fatima   | Microstructure and structural properties of superconducting ceramics Bi <sub>2</sub> Sr <sub>2</sub> CaCu <sub>2</sub> O <sub>8</sub> doped with iron oxide |
| <b>5</b>                 | 688831      | Hasnaoui hamza ,<br>Samet basma , Sdiri ali  | Evaluation of Water Absorption and Interfacial Bonding in Self Compacting Concrete Reinforced with Treated Alfa Fibers                                      |
| <b>6</b>                 | 692349      | Hicham oughidni ,<br>Fateh kahlerras ,<br>Aissa chaouli                                  | First-principle study of the structural ,vibrational and thermodynamic properties of ternary alloys   |
| <b>7</b>                 | 688314      | Kadri mohamed ,<br>Naas allout , Said koriga<br>, Salim guettala , Taha<br>Hocine douara | Synergy of Solar Steam Curing and Glass Powder in Enhancing Concrete Performance.   |
| <b>8</b>                 | 691850      | Kahina messara ,<br>Messara kahina   | Evaluation of the compressive strength of compressed earth blocks as a function of storage time   |
| <b>9</b>                 | 692263      | Kebout rachid ,<br>Rachid djebien ,<br>Riad derabela                                     | INFLUENCE DE LA POUDRE DU VERRE SUR LES PROPRIETES MECANIQUES DU BETON A HAUTE PERFORMANCE  |
| <b>10</b>                | 692396      | Khelifaoui ahmed ,<br>Benhalima nadia ,<br>Zaoui fatiha                                  | Mesoporous biochar derived from plant biomass as a sustainable material for wastewater treatment  |
| <b>11</b>                | 691358      | Khelifi mostefa , Mart-<br>nez adriana , Teresa lopez<br>Montero                         | Mechanical Performance Of An Enhanced Bitumen Rejuvenator Using Waste Motor Oil Combined With Reacted And Activated Rubber (Rar)                            |
| <b>12</b>                | 680748      | Khodja sihem   | Enhancing Water Quality With Low-Cost Adsorbents: A Sustainable Approach To Pollution Removal   |
| <b>13</b>                | 692079      | Laboubi salah  | Numerical simulation and experimental validation of ductile damage model during the deep drawing process  |
| <b>14</b>                | 692139      | Nour El Houda cheriet  | Computational Investigation of Void Growth and Coalescence in 3D RVEs Subjected to Triaxial Stress States   |

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| 15 | 693683 | Maizia ahmed, Kamel Hocine, Guermite Youcef | Contribution to the study of Full-Heusler Co <sub>2</sub> VZn and Half-Heusler CoVZn alloys |
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**Topic 03: Materials**

**Session: 04**

**Link: <https://meet.google.com/axj-gemg-ffa>**

| 08-02-2026<br>9h00-12h00 |        | Online Session 1<br>Evaluators:<br>- Dr. ZEMRI Chiekh   |   |
|--------------------------|--------|---|---|
|                          | Code   | Authors   | Title   |
| 1                        | 692226 | Mechati sabrina ,<br>Zamouche meriem ,<br>Tahraoui hichem ,<br>Kebir mohammed ,<br>Mouni lotfi ,<br>Amrane abdeltif | Eco-Friendly Synthesis of MgO-Nps: Role of Extract Loading and Thermal Treatment on Adsorption-Oriented Properties  |
| 2                        | 692264 | Merad rafika Imane ,<br>Bentchikou mohamed ,<br>Benabed benchaa   | An Experimental Study on the Incorporation of Recycled Powders in Self-Compacting Mortar  |
| 3                        | 692157 | Merniz mohamed ,<br>Bederina madani ,<br>Meddah abdelaziz ,<br>Laoubi hamza   | Contribution au développement d'un béton de sable base de sable du désert : effets des déchets de bois et de la poudre de verre recyclée                        |
| 4                        | 692005 | Messaad taieb   | Effect of Prosthetic Liner Material on Residual Limb Stress Distribution During Normal walking  |
| 5                        | 688440 | Messaoud koudri   | Experimental Evaluation of the Physico-Mechanical Properties of Sand Concrete Incorporating Marble and Limestone Fillers  |
| 6                        | 692386 | Messaoudi abderaouf ,<br>Zaouai said ,<br>Rabehi mohamed  | Enhancing Asphalt Healing Capacity Using Crumb Rubber and Waste Engine Oil: A Review  |
| 7                        | 688474 | Mimouni amina ,<br>Moumene taqiyeddine ,<br>Chouana hadjer ,<br>Mahfoud mohamed ,<br>Drissi mokhtaria               | Comparative Physicochemical Evaluation of Nanoparticles Obtained from Two Distinct Media  |
| 8                        | 678673 | Mohad Seghir lakhdari ,<br>Hamza dif ,<br>Mohamed rabehi  | Valorization of Waste Cooking Oils in Recycled Asphalt Mixtures: State of the Art and Research Perspectives   |
| 9                        | 692110 | Mohamed Lazhar dani ,<br>Leila kherraf ,<br>Wassila boughamsa   | Influence De Sable De Dechet De Clinker Sur Les Proprietes De Beton De Sable.   |
| 10                       | 691822 | Naas lazhari-Ayoub ,<br>Bouaouina boudjemaa ,<br>Bensouici fayçal ,<br>Abaidia saddik Elhak                         | Effect of Ammonium Acetate Concentration on the Physicochemical Properties of Sol-Gel TiO <sub>2</sub> Thin Films for Photocatalytic application                |
| 11                       | 692258 | Omar mahia  | First-Principles Investigation of Fluoride Perovskites' Structural and Electronic Characteristics for Data Storage  |
| 12                       | 688156 | Radjel samia,<br>Benichou boucif,<br>Bouchenafa halima,<br>Cherigui azeddine,                                       | First-Principles Investigations Of The Structural, Mechanical, And Magnetoelectronic Characteristics Of Ternary Heusler Alloys Sc <sub>2</sub> crz (Z = In, Sn) |

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|----|--------|---|---|
|    |        | Bouabdallah badra,<br>Nabi zakia        |   |
| 13 | 688298 | Ramdane hanene                          | Investigated of the anti-corrosion properties of a nickel coating deposited on AISI 304 by electrochemical techniques combining atomic force microscopy (AFM) and X-ray photoelectron spectroscopy (XPS). |
| 14 | 693558 | Chikr Djaoutsi zineb,<br>Fares redouane | Influence of Nanoparticle Shape and Thermal Radiation on Magnetohydrodynamic Nanofluid Convection in Enclosures: Material and Structural Perspectives   |

**Topic 03: Materials**

Session: 05

Link: <https://meet.google.com/xgn-zroy-yhk>

| 08-02-2026<br>9h00-12h00 |        | Online Session 1<br>Evaluators:<br>- Pr. GHERNOUTI Youcef  |   |
|--------------------------|--------|--|---|
|                          | Code   | Authors  | Title   |
| 1                        | 688438 | Redhwane ait Atmane  | Effect of porosity on the mechanical behavior of Innovative composite materials   |
| 2                        | 692311 | Sabrina fellah   | Influence of plasma based doping on the structural and electrochemical properties of Li-ion and K-ion batteries   |
| 3                        | 683290 | Sarra achaichia  | Determination of the optical constants of doped zinc oxide thin films prepared by pyrolysis spray technique   |
| 4                        | 688268 | Serrar fatma   | Ionic liquids synthesis and evaluation of its antimicrobial efficacy  |
| 5                        | 693790 | Touati ibtissam ,<br>Benahmed mohammed Ismet ,<br>Bouha faiza Nabila ,<br>Kacimi larbi                     | Physicochemical effects of reservoir sediment and drilling mud, employed as pozzolanic admixtures, on calcium sulfoaluminate cement                         |
| 6                        | 688490 | Yasmine bacha , Rahli omar ,<br>Benyounes isra   | An Investigation into the Influence of Fin Geometry on Phase Change Material Melting  |
| 7                        | 688642 | Zagaar yamina  | Evaluation de la réponse en flexion de plaques FGM poreuses couplées aux effets d'une fondation élastique   |
| 8                        | 692341 | Zineb azzaoui ,<br>Abderrahim achouri ,<br>Khouloud benotmane  | Structural, morphological, and optical characterization of mgo thin films grown by the sol-gel spin coating technique                                       |
| 9                        | 688562 | Belmeguenai lyes ,<br>Bouzidi safia , Methia mounir ,<br>Benslimane abdelhakim ,<br>Benchaoui abdelmounaim | Analytical and finite element study of stress distribution in a hollow HDPE/steel composite cylinder  |
| 10                       | 683897 | Feghoul abdelillah ,<br>Mohammed mazari  | Comparaison entre une étude numérique et expérimentale pour la fiabilité d un Goujon tire-fond utilise pour le maintien Des rails de chemin de fer algérien |
| 11                       | 686980 | Abdelhafid sadok ,<br>Ahmed tafraoui ,<br>Makani abdelkadir  | Evaluation du kaolin calcine comme addition minerale dans les betons autoplaçants via des essais destructifs.   |
| 12                       | 691898 | Adda Berkane hachemi ,<br>Della noureddine , Missoum<br>Benziane mehdi                                     | Amélioration écologique de la résistance au cisaillement d'un sol sableux par renforcement en   |

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|    |        |   | fibres de sisal et traitement la gomme de xanthane   |
| 13 | 692120 | Akkal thilali , Soualah ahcène , Sachse alexander                               | Hierarchization-treatment of template-containing ti-mww zeolite  |
| 14 | 688871 | Belmeguenai lyes, Benchaoui abdelmounaim, Kerkour abdelhakim                    | Enhancement of Mechanical Properties in LLDPE/Clay Nanocomposites: Towards High-Performance Food Packaging Films |
| 15 | 687638 | Ghizlene Rahma RENNOU, Azeddine BELALIA, Ilhem Aicha AZZOUZ, Abdelilah BOURAGBA | COMPARATIVE STUDY OF INTERNAL AND EXTERNAL DEFECTS CLUSTERS IN A PIPELINE UNDER DIFFERENT SPACING CONDITIONS     |

**Topic 03: Materials**

**Session: 06**

**Link: <https://meet.google.com/wrr-rfbi-xey>**

| 08-02-2026<br>9h00-12h00 |        | Online Session 1<br>Evaluators:<br>- Dr. BENALI Yacine  |   |
|--------------------------|--------|---|---|
|                          | Code   | Authors   | Title   |
| 1                        | 692437 | Asmaa boubakeur   | rheological behavior of self-compacting concrete made with recycled aggregates and supplementary cementitious materials   |
| 2                        | 692199 | Babakhali mohamed , Merdji ali , Aminallah laid   | effects of a natural fiber-based composite material's composition on mechanical properties  |
| 3                        | 692413 | Behloul djamila , Moussai belkacem  | effect of the non-linear behavior of barrette materials on the response of laterally loaded barrettes   |
| 4                        | 688780 | Belghoul hakima , Merdaci slimane   | modelisation de la conductivite thermique de materiaux base de terre crue et des granulats vegetaux   |
| 5                        | 688145 | Benichou boucif , Bouchenafa halima , Radjel samia , Cherigui azeddine , Nabi zakia , Bouabdallah badra | dft studies on the electronic structure, mechanical stability and magnetism in $sc_2vz$ ( $z = p, as, sb$ ) ternary heusler compounds for spintronic applications |
| 6                        | 692017 | Benmammar mohammed  | correlations non destructives et durabilite des betons aux ajouts mineraux : evaluation par resonance et ultrasons  |
| 7                        | 688598 | Benmoumene hamid  | effect of vegetable fibers on compressive strength of alkali-activated slag-glass mortar  |
| 8                        | 691325 | Bensedira abderrahim Meziane Ouahiba , Labidi Nouar Sofiane.  | characterization of the electrical conductivity of the pani/salt system: effect of the electrolyte structure.   |
| 9                        | 692041 | Bouleghebar yasmina   | l'influence de l'ajout combine de la poudre de verre et de brique sur les propeietes des mortiers autoplaçant   |
| 10                       | 691150 | Boutaleb nadia , Fatima koudri  | facile synthesis and electrochemical characterization of polyaniline@tio2-cuo ternary composite as electrodes for supercapacitor applications                     |
| 11                       | 692328 | Choungara toufik , Farik ali  | influence of ceramic waste incorporation on the physical properties of dune sand-based mortars  |

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| <b>12</b> | 687340 | Denbri fatih , Kurnaz sedat ,<br>Bayou mohammed , Polat-<br>Altintas sevgi | experimental study on the effect of samarium (sm) substitution on the physical properties of $La_{0.67-x}Sm_xCa_{0.20}Ba_{0.13}MnO_3$ manganites ( $x = 0.00$ and $0.05$ ) |
| <b>13</b> | 692320 | Ghemid mouna ,<br>Benathmane halima , Aziz amor                            | Chemical synthesis and optoelectronic characterization of p-Cu <sub>2</sub> O/n-ZnS/n-ZnO heterostructure on FTO for photovoltaic applications                             |
| <b>14</b> | 684221 | Belgacem souad   | Réduction des vibrations induites par les turbulences dans les ailes flexibles des avions de nouvelle génération l'aide de matériaux intelligents adaptatifs               |
| <b>15</b> | 683939 | Belgacem souad   | Contrôle actif des instabilités aérodynamiques dans les ailes biomimétiques par des actionneurs en alliage à mémoire de forme  |

**Topic 03: Materials**

**Session: 07**

**Link: <https://meet.google.com/ojy-npnj-ofn>**

| 08-02-2026<br>9h00-12h00 |             | Online Session 1<br>Evaluators:<br>- Dr. DJILLALI Kouider   |   |
|--------------------------|-------------|---|---|
|                          | <b>Code</b> | <b>Authors</b>  | <b>Title</b>  |
| <b>1</b>                 | 690142      | Kazeoui habiba ,<br>Bourbia sofiane   | evaluating the thermal and energy performance of bio-based materials in buildings in hot arid climates                                      |
| <b>2</b>                 | 693549      | Kebour omar ,<br>Kebour djamila ,<br>Rouane abderrahmane  | hot-dip galvanization of steel structures: material performance, durability and engineering applications.                                   |
| <b>3</b>                 | 691576      | Khalifaoui fadhila ,<br>Benali ouarda   | Structural Properties of ZnO Nanoparticles Synthesized by a Co-Precipitation Method   |
| <b>4</b>                 | 692197      | Khezzane abdenour ,<br>Abdelhalim Benouis   | Influence du dosage en ciment et du sable issu du recyclage des pneus usages sur les performances d'un beton drainant                       |
| <b>5</b>                 | 692321      | Klouche faiza ,<br>Achour aida ,<br>Belhouari fethi ,<br>Maliki mustapha  | experimental characterization and valorization of dredged sediments from sikkak dam (algeria)   |
| <b>6</b>                 | 693715      | Laouar nour El Houda ,<br>Azoug sylvia ,<br>Tiliouine yousra ,<br>Boukerroui abdelhamid   | Sustainable Activated Carbon from Leucaena Pod Waste for Methylene Blue Removal   |
| <b>7</b>                 | 692064      | Mebarkia ishak ,<br>Belkada rachid , Vicente<br>Timon Salinero,<br>Bellhousse samia ,<br>Lasmi kahina ,<br>Bouhadeuf yasmima ,<br>Tighilt fatma Zohra | Multiscale Computational Insights Into Cubic CsPbX <sub>3</sub> (X = Br, I) Perovskites For Advanced Energy And Optoelectronic Applications |
| <b>8</b>                 | 692455      | Messaoudi rahma ,<br>Khene ahmed  | application de l'apprentissage automatique pour la prediction de la resistance a la compression du beton                                    |

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| 9  | 691905 | Messas tidjani ,<br>Billel rebai          | Caractérisation d'un béton fibré base de matériaux locaux : étude expérimentale des fibres végétales H'alfa |
| 10 | 691283 | Meziane ouahiba ,<br>Bensedira abderrahim | catalyst effect on the thermal stability of 70pc/30pet/mmt composites                                       |
| 11 | 692416 | Oussama zeggai                            | Numerical Modeling of Graphene-Based BioFET Sensors for Ferritin Detection                                  |
| 12 | 692144 | Saadi imene                               | Comparative Study of Cement Mortars Reinforced with Sisal and Polypropylene Fibers                          |
| 13 | 690322 | Salima hocine                             | Agar-g-Poly(AA-co-AMPS) Hydrogels: Tunable Structure, Morphology, and Thermal Properties                    |
| 14 | 688896 | Ouabel houari                             | Aspect mécanique de l'essai pressiométrique au voisinage d'un talus -Approche numérique-                    |
| 15 | 688899 | Ouabel houari                             | Comportement mécanique d'une fondation superficielle sur une pente -Approche numérique-                     |

**Topic 03: Materials**

**Session: 08**

**Link: <https://meet.google.com/pve-tymz-ugo>**

| 08-02-2026<br>9h00-12h00 |             | Online Session 1<br>Evaluators:<br>- Dr. DAHMANE Mouloud   |   |
|--------------------------|-------------|--|---|
|                          | <b>Code</b> | <b>Authors</b>   | <b>Title</b>  |
| 1                        | 692394      | Seraoui yousra ,<br>Zeghib riad ,<br>Menadi souad  | caracterisation d'un composite € base de terre écologique pour des applications en construction durable                       |
| 2                        | 685474      | Talhaoui abdallah ,<br>Naima fezzoui ,<br>Charifa ben Abdallah ,<br>Adel benidir   | performances de la permeabilite a la vapeur d'eau selon differentes conditions de cure du beton                               |
| 3                        | 692336      | Tiar keltoum ,<br>Soualah ahcène ,<br>Bisio chiara ,<br>Guidotti matteo  | Dynamic light scattering analysis (DLS) of natural iron clays   |
| 4                        | 691824      | Trir hamza   | engineering the electrical and optical properties of binary copper oxides using reactive dc magnetron sputtering              |
| 5                        | 693546      | Yahia youcef   | alginate-based composite beads with layered silicates for sustained isoniazid delivery  |
| 6                        | 692411      | Zegtouf hind ,<br>Saoula nadia ,<br>Azibi mourad   | effect of reactive gas concentration on the morphology of metal oxide thin films deposited by rf magnetron sputtering         |
| 7                        | 687010      | Houti farid Brahim ,<br>Benosman ahmed<br>Soufiane ,<br>Hachemi houssem ,<br>Mouli mohamed ,<br>Badache abdelhak ,<br>Taleb omar ,<br>Seladji chakib ,<br>Mesli imane Fatima Zohra<br>, Müslüm Arıcı | Influence de l'intégration de PVC recyclé sur les propriétés mécaniques, thermiques et hygrothermiques des mortiers de plâtre |

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| 8  | 693711 | Kaabi ilhem ,<br>Amamra samra   | anodic inhibition performance of a novel schiff base on x 52 steel in acidic hcl medium                                 |
| 9  | 692345 | Moumeni ouahiba   | Aminophosphonates as efficient corrosion inhibitors: mechanisms and applications  |
| 10 | 687147 | Ould Youcef djamel ,<br>Kerroum djamel Eddine ,<br>Tagrerout abdallah ,<br>Geurmit youcef                       | Surface effect on buckling of reddy nanobeam  |
| 11 | 692383 | Zaher karima  | Design and Characterization of Biofilms Based on Different Polysaccharides  |
| 12 | 694599 | Guenouche mourad  | constraining spatial curvature from gravitational lensing and time delay in curved einstein-strauss-de sitter spacetime |
| 13 | 688581 | Benmoumene hamid  | Impact of Vegetable Fibers on Density and Porosity of Alkali-Activated Mortars  |
| 14 | 691802 | Soumia hammache   | EFFECT OF PLASTIC FIBERS ON THE TOTAL WATER ABSORPTION OF ADOBE BRICKS  |
| 15 | 711989 | Nawal Belmiloud,<br>Hichem Benaissa, Radja<br>Nour El Imene Bennoui,<br>Fadila Belkharroubi,<br>Mohammed Ferhat | THEORETICAL CONFIRMATION OF MECHANICAL, THERMODYNAMIC AND DYNAMIC STABILITIES OF NaMgAs COMPOUND                        |

**Topic 03: Materials**

**Session: 09**

**Link: <https://meet.google.com/qhu-ospd-vve>**

| 08-02-2026<br>9h00-12h00 |             | Online Session 1<br>Evaluators:<br>- Dr. BENYAHIA Amar  |   |
|--------------------------|-------------|---|---|
|                          | <b>Code</b> | <b>Authors</b>  | <b>Title</b>  |
| 1                        | 694604      | Guenouche mourad  | gravitational lensing in matched exterior and interior schwarzschild-de sitter solutions  |
| 2                        | 694600      | Guenouche mourad  | gravitational time delay in matched exterior and interior schwarzschild-de sitter solutions   |
| 3                        | 693710      | Kaabi ilhem ,<br>Amamra samra   | eco-friendly schiff base derived from 4,4'-diaminodiphenyl ether: highly efficient inhibitor for acid corrosion of carbon steel x48 |
| 4                        | 688439      | Redhwane ait Atmane   | HSDT modeling for studying the vibrational of porous function gradient plates   |
| 5                        | 692379      | Zaher karima  | development and characterization of hydrocolloid film dressings   |
| 6                        | 688943      | Benali yacine ,<br>Mostefa adda Hadj ,<br>Zine abdallah ,<br>Ghomari foudad ,<br>Belayachi naima                      | Correlation between the different properties of cementitious mortars modified with styrene acrylic latex                            |
| 7                        | 688948      | Benali yacine ,<br>Zine abdallah ,<br>Mostefa adda Hadj ,<br>Zerrouki otmane ,<br>Ghomari foudad ,<br>Belayachi naima | Assessment of the addition of styrene-butadiene latex polymer to cement mortars   |

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| 8  | 691817 | Bendenia noureddine ,<br>Benadouda mourad ,<br>Dahmane mouloud        | Analyse de la vibration des plaques sandwich renforcées par des nanotubes de carbone   |
| 9  | 688966 | Benselama khadidja  | Impact of Marble Powder as Cement Substitute on the Rheological and Mechanical Properties of Self-Compacting Mortar                            |
| 10 | 688967 | Benselama khadidja  | Performance Evaluation of Self-Leveling Mortars Incorporating Recycled Granite Powder as a Cement Replacement                                  |
| 11 | 688561 | Bouhafs farah ,<br>Ezziane mohammed ,<br>Ayed kada ,<br>Mouli mohamed | Influence de la cure sur la récupération mécanique des bétons autoplçants fibrés de polypropylène après dégradations thermiques.               |
| 12 | 683071 | Sassoui khadidja  | Electronic structure and thermoelectric properties of LiTiPtZ (Z: Al, Ga)  |
| 13 | 692450 | Behar fatima, Meskine Saïd  | First-Principles Calculations of the Electronic and Thermoelectric Properties of Mg <sub>2</sub> X (X = Si, Ge, Sn) under Uniaxial Compression |
| 14 | 691604 | Lahmar nassira  | Formulation d'un mortier écologique et économique  |

### **Topic 04: Renewable Energies**

#### **Session: 1**

**Link: <https://meet.google.com/bdh-qyrd-eou>**

| 08-02-2026<br>9h00-12h00 |             | Online Session 1<br>Evaluators:<br>- Dr. MANKOUR Mohamed  |  |
|--------------------------|-------------|---|--|
|                          | <b>Code</b> | <b>Authors</b>  | <b>Title</b>   |
| 1                        | 693696      | Beddek karim , Ramdani omar ,<br>Haddouche rezki ,<br>Benalia karim ,<br>Chouider nazih ,<br>Bengharbi omar Abdelaziz | Automatic Fault Detection in Photovoltaic Systems Using a CNN-LSTM Deep Learning Approach  |
| 2                        | 693719      | Benabdallah naima ,<br>Belabbas belkacem ,<br>Tahri ahmed   | Optimizing Energy Storage Solutions in Photovoltaic Systems for Enhanced Efficiency  |
| 3                        | 692420      | Bensaber khadidja ,<br>Belarbi mousaab ,<br>Bensmaine souhila   | Numerical Investigation of Innovative Cadmium-Free Buffer Layers for High-Efficiency Cu(In,Ga)Se <sub>2</sub> (CIGS) Thin-Film Solar Cells |
| 4                        | 692303      | Debili narimene   | PLC-Controlled Photovoltaic Irrigation System:   |
| 5                        | 686140      | Korichi hamiche   | Chalcogenide Perovskites for Clean-Energy Technologies: Structural, Optical and Thermoelectric Insights                                    |
| 6                        | 684779      | Krim fatima Zohra   | Renewable Energy Harvesting through Microbial Fuel Cells with Electronic Voltage Amplification   |
| 7                        | 692375      | Mohamed harek ,<br>Medelfef abdessamed ,<br>Haddad fadila   | Contrôle MHD de la convection naturelle dans les procédés de croissance cristalline  |

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|----|--------|--|--|
| 8  | 687983 | Nassima annab ,<br>Baghdadli tewfik ,<br>Merad abdelkrim El-Hasna <sup>n</sup> ne ,<br>Mamoun souheyla                     | Optimization of InGaN-based Solar Cells by Numerical Simulation: Enhanced Efficiency and Performance Analysis.   |
| 9  | 690864 | Sofiane mihoubi ,<br>Abdelkader mostefa ,<br>Karim belalia , Tayeb lantri  | commande d'un generateur asynchrone hexaphase en regime sain et degrade pour les applications de reseaux electriques intelligent   |
| 10 | 692266 | Talem naima , Mihoub sofiane ,<br>Boumia lakhdar   | improvement of parabolic trough collector systems using advanced nanofluids  |
| 11 | 688546 | Merabet sarra ,<br>Bendenia chahrazed ,<br>Bendenia souhila , Dib-<br>Merad hanae , Moulebhar samia ,<br>Khantar sid Ahmed | Dual-Absorber Tin-Based Perovskite Solar Cells: Numerical Study for Optimized Photovoltaic Performance<br>Dual-Absorber Tin-Based Perovskite Solar Cells: Numerical Study for Optimized Photovoltaic Performance |
| 12 | 688515 | Belarbi mousaab ,<br>Zeggai oussama , Nacéri leila ,<br>Oudjedi Damerdji nabila ,<br>Boukli Hacene mohamed El<br>Amine     | Impact of MoOx back-surface passivation layer on the performance of cadmium-free kesterite CZTS thin-film solar cells  |
| 13 | 690869 | Charef mustapha Abd El Djabar  | The clean energy revolution :harnessing microbial fuel cells to transform pollution into power   |
| 14 | 684016 | Belalia karim,<br>Mostefa abdelkader,<br>Dreif mohammed  | DIRECT TORQUE CONTROL AND PARTICLE SWARM OPTIMIZATION OF DUAL STAR INDUCTION GENERATOR   |
| 15 | 689523 | Bendaoudi seif Eddine,<br>Mabrouk nour Eliakine Rahab,<br>Bendaoudi zaid   | Optimizing Flywheel Geometry: Enhancing Specific Energy via Strategic Mass Redistribution  |
| 16 | 698044 | Mehdi zahraoui, Khelifa mounir   | Original Synthesis and Applications of X and LSX Zeolites  |

**Topic 04: Renewable Energies**

**Session: 2**

**Link: <https://meet.google.com/vfn-hrjz-naq>**

| 08-02-2026<br>9h00-12h00 |             | Online Session 1<br>Evaluators:<br>- Pr. MILOUDI Mohamed   |  |
|--------------------------|-------------|--|--|
|                          | <b>Code</b> | <b>Authors</b>   | <b>Title</b>   |
| 1                        | 685639      | Cheriet arbia , Mardhi lina ,<br>Mebarki mohamed , Kaci hocine                                       | Simulation numérique de l'effet des pièges interfaciaux à faible section efficace de capture à l'interface barrière-absorbant, sur la réponse optoélectronique d'une structure n-B-n InAsSb/AlAsSb/InAsSb à deux températures. |
| 2                        | 690618      | Dib kheireddine ,<br>CHEROUANA Abdelbaki,<br>TOUAFEK Naima   | Numerical comparative study of organic and inorganic hole transport layers in p - i - n perovskite solar cells   |
| 3                        | 693551      | Elaid ouadah , Hamdadou nasr-<br>Eddine  | Optical Properties of $\text{WO}_3/\text{Sb}(1\%)$ Thin Films Obtained by Spray Pyrolysis at 550 °C for Photovoltaic Applications  |
| 4                        | 691041      | Houcinat ibtissem , Outili nawel<br>, Belhi chahinez ,<br>Benbriguena douaa ,<br>Delimi hanane       | Comparative Study of Cellulose, Xylan, and Lignin Conversion for Bio-Oil Production  |
| 5                        | 689757      | Kara Mostefa Khelil cherifa,<br>Fatima Zohra Baouche,<br>Ihssen Hamzaoui,<br>Mohamed Nadjib BenAllal | AI-Enhanced Predictive Maintenance for Sustainable PV Systems in Algeria's Energy Transition   |
| 6                        | 693400      | Korichi sabrin , Dida mustapha ,<br>Naili nabiha   | Experimental Investigation of Passive Cooling using Aluminum Heat Sinks for Enhanced Photovoltaic Module Performance in Hot and Arid Climates  |

