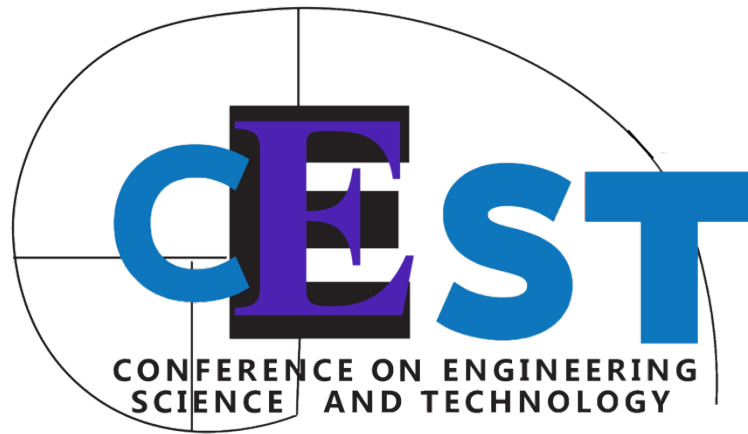


The Sixth Conference for Engineering Sciences and Technology

CEST-2024



Program Booklet

October 21-22 /2024- Tarhuna - Libya

**Higher Institute of Science and Technology,
Tarhuna**

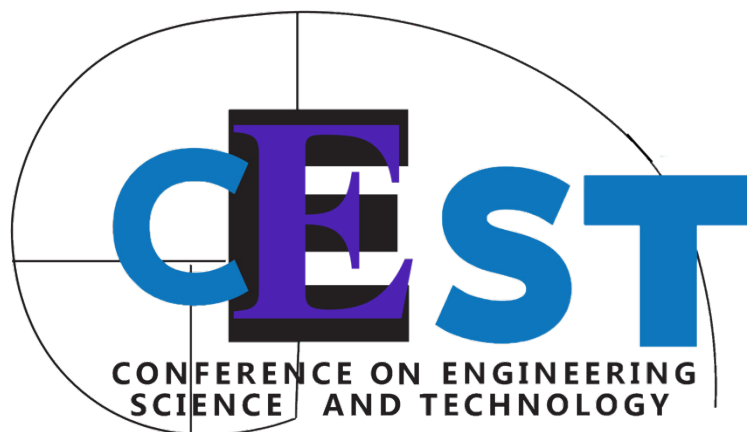
The Sixth Conference for Engineering Sciences and Technology

CEST-2024

October 21-22 /2024- Tarhuna - Libya

Higher Institute of Science and Technology, Tarhuna

Conference Program



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Program of The Sixth Conference for Engineering Sciences and Technology (CEST-2024)

| Program of The Sixth Conference for Engineering Sciences and Technology (CEST-2024) October 21 - 22, 2024 – Tarhuna, Libya <i>General Program</i> | | |
|--|-------------------|----------------|
| Time | Monday | Tuesday |
| 09:00 - 10:00 | Registration | |
| 10:00 - 10:30 | Coffee Break | Oral Sessions |
| 11:00 - 12:00 | Open Ceremony | Coffee Break |
| 12:00 - 12:45 | Invited Speaker 1 | Oral Sessions |
| 12:45 - 13:30 | Invited Speaker 2 | |
| 13:30 - 14:30 | Lunch Time | |
| 14:30 - 16:00 | Oral Sessions | Close Ceremony |
| 16:00 - 16:15 | Coffee Break | |
| 16:15 - 17:15 | Oral Sessions | Dinner Time |

Monday, October 21, 2024
Program Details

| Hall | Time | Event |
|-----------|---------------|--|
| Desk | 09:00 - 10:00 | Registration |
| Main Hall | 10:00 - 10:30 | Coffee Break |
| | 11:00 - 12:00 | Open Ceremony |
| | 12:00 - 12:45 | Invited Speaker 1 |
| | 12:45 - 13:30 | Invited Speaker 2 |
| | 13:30 - 14:30 | Lunch Break |
| Room 1 | 14:30 - 16:00 | Oral Session [Electrical and Computer Engineering & Information Technology] |
| | 16:00 - 16:15 | Coffee Break |
| | 16:15 - 17:30 | Oral Session [Chemical and Oil Engineering] |
| Room 2 | 14:30 - 15:45 | Oral Session [Civil Engineering] |
| | 16:00 - 16:15 | Coffee Break |
| | 16:15 - 17:15 | Oral Session [Civil Engineering] |

Tuesday, October 22, 2024
Program Details

| Hall | Time | Event |
|---------------|---------------|--|
| Room 1 | 10:00 - 11:00 | Oral Session [Information Technology] |
| | 11:00 - 11:30 | Coffee Break |
| | 11:30 - 12:45 | Oral Session [Civil Engineering] |
| Room 2 | 10:00 - 10:45 | Oral Session [Architecture and Urban Planning] |
| | 10:45 - 11:30 | Coffee Break |
| | 11:30 - 12:45 | Oral Session [Engineering Management and Quality] |
| | 13:00 - 14:30 | Lunch Time |
| | 14:30 - 15:30 | Close Ceremony |

Room 1**Monday, October 21, 2024**
[14:30- 16:00]**Session: Electrical and Computer Engineering and Information Technology**

| Chairs | Prof. Omar M. Bouzid and Ayad Keshlaf | | |
|---------------|---------------------------------------|--|--|
| Time | Paper ID | Paper | Author(s) |
| 14:30-14:45 | CEST_24 | Efficient Object Detection in Autonomous Driving Systems Using YOLOv5 and CARLA Simulator | Bader N. Awedat |
| 14:45 - 15:00 | CEST_41 | Optimizing Extended Kalman Filter for Speed Sensorless Control of Induction Motors Using Artificial Bee Colony Algorithm | Hend Abdelgader Eissa Abobkr Hamid |
| 15:00-15:15 | CEST_60 | Implementing Zigbee Networks for Monitoring and Tracking Electricity Meters | Mohammed Altayib Milad Azzoka Mohamed Elalem |
| 15:15 - 15:30 | CEST_92 | Efficient Low-Complexity Spatial Modulation Techniques for MIMO Technology | Nagea M. ALSANOSE Abdullah MASRUB |
| 15:30 - 15:45 | CEST_14 | Types of Decision Support Systems: Review | Awatef Salem Ibrahim Rabia Ali Alkhazmi |
| 15:45 - 16:00 | CEST_15 | Older Adults Daily Living Activities Detection using Machine Learning | Hawa Abu Snina Abubaker Elbayoudi |

Room 2**Monday, October 21, 2024**
[14:30- 15:45]**Session: Civil Engineering**

| Chairs | Prof. Mohamed Ali Karim and Muftah Mohamed Sreh | | |
|-------------|---|---|--|
| Time | Paper ID | Paper Title | Author(s) |
| 14:30-14:45 | CEST_12 | دراسة مرجعية حول تأثير الاضافات المعدنية على بعض خواص الخرسانة ذاتية الدمك عالية المقاومة | عائشة جمعة جبريل نوري محمد الباشا |
| 14:45-15:00 | CEST_13 | A Comprehensive Analysis of Moisture Damage in Hot and Warm Mix Asphalt and Associated Research Inquiries | Bashir M. Aburawi |
| 15:00-15:15 | CEST_26 | تأثير احلال ركام مخلفات الإطارات المطاطية علي بعض خواص الخرسانة | أيمن هدية الكوت سالم فرج البربرار |
| 15:15-15:30 | CEST_34 | Applications and Advancements of 3DP in Construction | Salhin Alaud |
| 15:30-15:45 | CEST_39 | تدعيم الطوب الإسمنتي بأساليب التسليح المختلفة للحوائط الحاملة في ليبيا | ابوالقاسم يحيى ابو صبيح نجيب حسن سويبي مروان سالم اشكندالي |

Room 1**Monday, October 21, 2024**
[16:15- 17:30]**Session: Chemical and Oil Engineering**

| Chairs | Prof. Abduel Majid Najjar and Abdulmajed Alagtab | | |
|-------------|--|--|--|
| Time | Paper ID | Paper Title | Author(s) |
| 16:15-16:30 | CEST_28 | Preserving oil refinery and petrochemical facilities to prevent Corrosion during inactivity | Ahmed Kharidege Nasser Abushrenta |
| 16:30-16:45 | CEST_68 | The Possibility of Treating the Surface Water of Ayin Kiam with Aleppo Pine Extracts | Asmaa jumaah Alshireedi Samira Omar Hribesh Rabia Omar Eshkourfu |
| 16:45-17:00 | CEST_79 | Synthesis, Characterization, and Extraction of Segmented Siloxane-Aliphatic-Aromatic Copolymers: A Comprehensive Study | Nuha almuktar M krir Abduelmaged Abduallah |
| 17:00-17:15 | CEST_95 | Solar Desalination by Evaporation-Condensation Process | Ali Abusaloua Ruqaia A Sheliq |
| 17:15-17:30 | CEST_94 | Dynamic Study of Hydrogen Absorption in Metal Hydride-based Storage Systems | Fawzi ELHAMSHRI Abdulmajed Alagtab |

Room 2**Monday, October 21, 2024**
[16:15- 17:15]**Session: Civil Engineering**

| Chairs | الأستاذ الدكتور: ابوالقاسم يحيى ابوصبيح و صالحين العود | | |
|-------------|--|---|---|
| Time | Paper ID | Paper | Author(s) |
| 16:15-16:30 | CEST_48 | اختيار أفضل مسار طريق مقترح باستخدام نظم المعلومات الجغرافية (GIS) وما تأثيره على الجانب العلمي العملي | فاضل مسعود العالم عادل محمد الكيلاني |
| 16:30-16:45 | CEST_58 | التقديرات الأولية لكميات المباني السكنية باستخدام الشبكات العصبية الاصطناعية داخل نطاق دولة ليبيا | غرياني احمد احمد فاطمة ادريس احمد سماء حفاظ الشيخ |
| 16:45-17:00 | CEST_59 | Analytic Study of Linear Analysis vs. Nonlinear Analysis: Optimum and Sustainable Structure Perspective | Mohamed Ali Karim |
| 17:00-17:15 | CEST_61 | تأثير الجهد على التسرب أسفل المنشآت الهيدروليكية ذوات القواعد الهابطة | إسماعيل إبراهيم حمودة الفيثوري إبراهيم أبوعلة عائشة على القنطوش |

End of 1st day

Room 1**Tuesday, October 22, 2024**
[10:00- 11:00]**Session: Information Technology**

| Chairs | Rabia Ali Alkhazmi and Mohamed Nagi Elshibani | | |
|---------------|---|--|--|
| Time | Paper ID | Pape | Author(s) |
| 10:00-10:15 | CEST_27 | The Possibility of using the Cloud Computing in e-learning in Modern Libyan High Schools | Fjria A. Saleh Zalita Mohamed Nagi Elshibani |
| 10:15 - 10:30 | CEST_37 | Predicting Cyber Threats From Twitter Using Codelees LSTM Knime Model | Inass A. Husien Alhashimi Farij O. Ehtiba Haitham Saleh Ben Abdelmula Hend Abdelgader Eissa |
| 10:30-10:45 | CEST_85 | Predicting Course Difficulty in Online Education Using Machine Learning | Abeer Farag Al-Nair |
| 10:45 - 11:00 | CEST_91 | Enhancing Citizen Engagement in E-Government Services through AI-Driven Chatbots | Abraheem Mohammed Sulayman Alsubayhay Mohamed A. E. Abdalla |

Room 2**Tuesday, October 22, 2024**
[10:00- 10:45]**Session: Architecture and Urban Planning**

| Chairs | Prof. Fawzi Agaei and Abdulghani Ramadan | | |
|---------------|--|--|---|
| Time | Paper ID | Paper Title | Author(s) |
| 10:00-10:15 | CEST_35 | الملاحم المكانية لمدينة ترهونة | فوزي محمد عقيل محمد رمضان عمار |
| 10:15 - 10:30 | CEST_43 | أنسنة المدن ومعايير التصميم الحضري المستدام وتأثيرها على المدن (مركز مدينة مسلاته حالة دراسية) | عبد السلام محمد الرشيدى خلود الهادي منصور |
| 10:30-10:45 | CEST_45 | تأثير الساحات والمناطق المفتوحة على البيئة الحضرية (عمارات الهلال بمدينة ترهونة حالة دراسية) | أسامة أبو الخير إمبر عبد السلام محمد الرشيدى محمود إسماعيل فرحات وليد عبدالسلام فريوان |

Room 1

Tuesday, October 22, 2024
[11:30- 12:45]

| Session: Civil Engineering | | | |
|-----------------------------------|--|--|--|
| Chairs | Prof. Bashir M. Aburawi and Foad Mohamed Elkut | | |
| Time | Paper ID | Paper | Author(s) |
| 11:30-11:45 | CEST_71 | تقييم ثبات المنحدر الموازي للطريق الجبلي اليبب شمالي غرب ليبيا | أبو القاسم الأخضر عبد الباسط شلفوح |
| 11:45 - 12:00 | CEST_72 | دراسة معملية لتحديد النسب الأمثل لبعض أنواع الملدنات الفائقة وتأثيرها على الخواص الميكانيكية للخرسانة الطرية والمتصلبة | نجيب حسن الشريف محمد العربي المحروق |
| 12:00-12:15 | CEST_80 | دراسة مرجعية: تقييم طرق المعالجة وتأثيرها على الخواص الميكانيكية لإسمنت الخبث المنشط قلويا | هناء فرحات محمد حمد |
| 12:15 - 12:30 | CEST_83 | Impact of Silica Fume and POFA on Workability, Strength, and Absorption of High Strength Mortars | Mohamed Alnsosi Karem Megat Azmi Megat Johari Faesal Alatshan |
| 12:30 - 12:45 | CEST_84 | دراسة تأثير طريقة المعالجة على خواص الخرسانة | الحسين فرج عليوان محمد ابراهيم العبود عبدالخالق عبدالهادي محمد |

Room 2

Tuesday, October 22, 2024
[16:15- 17:00]

| Session: Engineering Management and Quality | | | |
|--|---|---|--|
| Chairs | Prof. Mohamed Alalem and Abdelrazak Ben Jaber | | |
| Time | Paper ID | Paper Title | Author(s) |
| 16:15-16:30 | CEST_16 | تأثير سوء التخطيط في تنفيذ المشاريع الانشائية (دراسة تطبيقية لشركة الأشغال العامة مصراته) | مصطفى الطاهر عبدالعزيز عبد السلام محمد بشيش |
| 16:30-16:45 | CEST_32 | أثر تطبيق إدارة المخاطر على تقليل الخسائر في المنظمة | علي رمضان الفقي ابوبكر نورالدين ابوغالبة |
| 16:45-17:00 | CEST_70 | دراسة أسباب التأخير في تنفيذ المشاريع الإنشائية بمنطقة بالجبل الغربي | Nuha almuktar M krir Abduelimged Abduallah |

End of 2nd day