



The Conference Time is Tunisia Local Time, GMT+1

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| 8h30-9h | <p style="text-align: center;">Reception of Participants and Guests</p> <p>Honory Guests</p> <ul style="list-style-type: none">- Pr. Kamel Ben Saad, Dean of the National Engineering School of Tunis (ENIT)- Pr. Hanen Bouchriha, Head of the “Ecole Doctotale des Sciences et Techniques d’Ingénieurs” (EDSTI)- Pr. Mohamed Ben Rabeh, Head of the “Association Scientifique de l’Ecole Nationale d’Ingénieurs de Tunis” (ASENIT)- Pr. Zied Jemai, Head of OASIS Laboratory |
| 9h-9h15 | <p style="text-align: center;">Opening Ceremony</p> <p style="text-align: center;">Amphi Mokhtar Laatiri https://meet.google.com/cfi-yyht-umk</p> <ul style="list-style-type: none">- Pr. Safa Bhar Layeb, Founding Chair of the African Working Group in Healthcare Systems- Pr. Chokri Hammouda, General Director of National Authority for Assessment and Accreditation in Healthcare (INEAS) |
| 9h15-9h45 | <p style="text-align: center;">Plenary Session</p> <p style="text-align: center;">Amphi Mokhtar Laatiri https://meet.google.com/cfi-yyht-umk</p> <p>« Recherche Action pour l’Amélioration des Systèmes Hospitaliers Tunisiens » Pr. Najla Aissaoui, University of Carthage, Tunisia.</p> |
| 9h45-11h10 | <p style="text-align: center;">English Session I: Optimization, IOT and performance improvement in Healthcare</p> <p style="text-align: center;">Session chairs : Pr. Nabila Bitri & Pr. Marwa Hasni</p> <p style="text-align: center;">Amphi Mokhtar Laatiri https://meet.google.com/cfi-yyht-umk</p> <p>HSD2024-ID 43 Analysis of the factors affecting the patient’s length of stay following emergency surgery <i>Youssef Ben Amor, Zied Jemai, Oualid Jouini, Aida Jebali, Xiaolan Xie, Thomas Botrel, Mathieu Roux</i></p> <p>HSD2024-ID 13 Autoimmunity and Deep Learning techniques: Case study of anti-nuclear antibodies <i>Mouna Ben Azaiz, Oumar Khlelfa, Aymen Yahyaoui, Anwer Ncibi, Ezzedine Gazouani</i></p> <p>HSD2024-ID 24 Decision support for the delivery of consumables to home dialysis patients <i>Haifa Nouira, Sondes Hammami, Adnen El-Amraoui, Gilles Goncalves, Hanen Bouchriha</i></p> <p>HSD2024-ID 28 Coalition Pool to Manage Shared Customers for the Delivery of Pharmaceutical Products <i>Amina Antit, Amel Jaoua, Safa Bhar Layeb, Chefi Triki</i></p> <p>HSD2024-ID 34 Optimization of Nephrological Care: Peritonitis prediction using Machine Learning tools <i>Mohamed Kerkeni, Islam Mzoughi, Myriam Gharbi, Sondes Hammami, Yosra Guedri, Rihem Dahmane, Awatef Azzebi, Dorsaf Zellama</i></p> |

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| HSD2024-ID 14 | Role of Tunisian Services Competitiveness Support Program in introducing and institutionalizing a quality management system for health facilities <i>Rhouma Seifeddine, Neffati Arwa, Bouguerra Hind</i> |
| HSD2024-ID 16 | Improving quality and health services management in Tunisian hospitals through the 5S KAISEN TQM approach <i>Rhouma Seifeddine, Neffati Arwa, Bouguerra Hind, Olfa Challouf</i> |
| HSD2024-ID 22 | 5S-KAIZEN implementation in imaging department <i>Oussama Ben Ali, Houda Gharbi, Sondes Hammami, Fehmi H'Mida</i> |

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| 11h10-11h35 | Coffee break and Posters session Amphi Mokhtar Laatiri https://meet.google.com/cfi-yyht-umk | |
| | HSD2024-ID 04 | La communication au sein d'une dynamique formelle de management de la qualité : Cas d'un laboratoire hospitalier <i>Lajmi Khaled, Bouzid Kahena</i> |
| | HSD2024-ID 05 | Gestion d'une non-conformité analytique en biologie médicale : Cas d'une technique spectrophotométrique manuelle <i>Lajmi Khaled, Maatoug Nesrine, Bouzid Kahena</i> |
| | HSD2024-ID 08 | L'Architecture pour le bien-être mental : Recommandations spatiales pour l'Inclusion sociale des Personnes Atteintes de TSA en Tunisie <i>Yassine Boussif, Sana Layeb</i> |
| | HSD2024-ID 09 | Transformative Architecture: Fostering Inclusive Spaces for Neurodivergent Well-being in Tunisia <i>Kaouther Ben Amar, Sana Layeb</i> |
| | HSD2024-ID 11 | Impact de l'acheminement par pneumatique des bilans sur quelques paramètres susceptibles d'être affecté par l'hémolyse <i>Bartkiz Ahlem, Daly Salma, Bouzid Kahena, Zoubli Aymen, Lajmi Khaled, Hedhli Hana, Othmani Safia, Jouini Sarra</i> |
| | HSD2024-ID 12 | Exploring the observational differences between binocular magnifying glass and scanning electron microscope in the study of Randall's plaque and calcium oxalate kidney stone <i>Amira Ben Sassi, Wafa Ferjani, Najoua Blaiech, Kahena Bouzid</i> |
| | HSD2024-ID 32 | Towards Tailoring Reinforcement Learning to Solve the Online Surgery-Planning and Scheduling Problem <i>Khouloud Bennour, Asma Ouled Bedhief, Safa Bhar Layeb, Najla Aissaoui</i> |
| | HSD2024-ID 35 | Designing IT Solutions for Addressing the Unique Support Requirements of Autistic Children <i>Eya Hadhri, Sana Layeb, Safa Elkefi, Safa Bhar Layeb</i> |
| | HSD2024-ID 41 | Why and how are kidney stones analyzed? <i>Ferjani Wafa, Ben Sassi Amira, Lajmi Khaled, Blaiech Najwa, Bouzid Kahena</i> |

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| 11h35-12h05 | Plenary Session Amphi Mokhtar Laatiri https://meet.google.com/cfi-yyht-umk |
| | «Redefining Healthcare: Harnessing frugal innovation and AI » Pr. Mohamed Boussarsar, Farhat Hached University Hospital, Tunisia. |

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| 12h05-13h15 | French Session I: Amélioration de la performance des systèmes hospitaliers Session chairs : Pr. Zied Jemai & Pr. Yassine Kaabar Amphi Mokhtar Laatiri https://meet.google.com/cfi-yyht-umk | |
| | HSD2024-ID 38 | Rôle de l'INEAS dans la Résilience du système de santé Tunisie <i>Houda Gharbi, Sihem Majoul, Chokri Hamouda</i> |
| | HSD2024-ID 29 | Evaluation et amélioration de la performance d'un laboratoire d'analyses médicales <i>Mohamed Yassine Kaabar, Safa Bhar Layeb, Imen Mejri, Najla Aissaou</i> |
| | HSD2024-ID 30 | Délais de validation des bilans d'urgence dans un laboratoire de Biologie Médicale hospitalier: impact d'un changement organisationnel <i>Mohamed Yassine Kaabar, Ikbel Ghachem, Asma Bachali</i> |
| | HSD2024-ID 20 | Tableau de bord multidimensionnel au service du bloc opératoire <i>Nejia Bejaoui, Amira Ghazouani, Hajer Khelif, Sondes Hammami, Jameleddine Boubahri</i> |

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| HSD2024-ID 10 | Redéfinir la prestation des systèmes de santé : Exploiter les solutions informatiques pour améliorer la performance de la prise en charge des enfants TSA <i>Layeb Sana, ElKefi Safa</i> |
| HSD2024-ID 33 | Perte de la technique en dialyse péritonéale avec Machine Learning <i>Ala Yangui, Hammada Lekehal, Sondes Hammami, Myriam Gharbi, Yosra Guedri, Rihem Dahmane, Awatef Azzebi, Dorsaf Zellama</i> |
| HSD2024-ID 26 | Conception d'un système de contrôle de blisters non conformes <i>Eya Chouchene, Hamdi Triki, Sondes Hammami</i> |

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| 13h15-14h | Lunch break |
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| 14h-14h30 | <p style="text-align: center;">Plenary Session</p> <p style="text-align: center;">Amphi Mokhtar Laatiri https://meet.google.com/cfi-yyht-umk</p> <p>«Amélioration de la planification chirurgicale par l'analyse des facteurs d'incertitude et une meilleure précision dans la prédiction des temps chirurgicaux» Pr. Angel Ruiz, Laval University, Canada.</p> |
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| 14h30-15h30 | <p style="text-align: center;">French Session II: Optimisation et amélioration de la performance des systèmes hospitaliers</p> <p style="text-align: center;">Session chairs : Pr. Kahena Bouzid & Pr. Safa Bhar Layeb</p> <p style="text-align: center;">Amphi Mokhtar Laatiri https://meet.google.com/cfi-yyht-umk</p> <p>HSD2024-ID 39 Application du Lean Healthcare pour améliorer l'efficacité d'un service oncologie <i>Amira Brahmi, Hejer Khelif, Houda Gharbi</i></p> <p>HSD2024-ID 42 Application de la Maintenance Productive Totale dans un service de réanimation <i>Hejer Khelif, Houda Gharbi, Amira Brahmi</i></p> <p>HSD2024-ID 45 Amélioration des Services d'Urgence à l'Hôpital Mahmoud El Matri : Une Approche Conforme au Label MARHBA <i>Manel Neffati, Majdi Salem, Khedija Zaouche, Manel Kallel, Houda Gharbi, Hejer Khelif, Souad Ghazouani, Chokri Hammouda</i></p> <p>HSD2024-ID 40 Jumeaux Numériques pour la gestion des systèmes de santé <i>Zeineb Ben Houria, Hajer Khelif</i></p> <p>HSD2024-ID 31 Planification des livraisons de matériel et matières médicaux aux patients dialysés (Liv-PaD) <i>Emna Abdi, Dorsaf Daldoul, Issam Nouaouri</i></p> <p>HSD2024-ID 37 An Assignment MILP Model for Planning and Scheduling Elective Surgeries <i>Asma Ouled Bedhief, Najla Aissaoui, Safa Bhar Layeb</i></p> |
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| 14h30-15h30 | <p style="text-align: center;">English Session II: IOT and data analytics for healthcare</p> <p style="text-align: center;">Session chairs : Pr. Adnene Amraoui & Pr. Sana Frikha</p> <p style="text-align: center;">Room A https://meet.google.com/rds-hcer-fov</p> <p>HSD2024-ID 36 Predictive Modelling for Surgical Duration in Emergency Operating Rooms: A Machine Learning Perspective <i>Hadil Bouasker, Oualid Jouini, Zied Jemai, Aida Jebali, Xiaolan Xie, Thomas Botrel, Mathieu Raux</i></p> <p>HSD2024-ID 01 Data Mining Techniques for Diagnosis, Treatment, and Prevention of Hemorrhagic Fever <i>Ahmed Shihab Ahmed, Hussein Ali Salah, Safa Bhar Layeb</i></p> <p>HSD2024-ID 44 A Service Oriented Architectural based Big Data Management for a Bahraini Primary Healthcare Centre (SOA-MHC) <i>Hasan H. Abdulla, Fatema H. AlJazeera, Shaikha A. Hasan, Zainab S. Almahafdha, Ehab Juma Adwan</i></p> <p>HSD2024-ID 17 Filter and machine learning methods in selecting critical features for data classification <i>Sahour Abdelhakim, Boumehrez Farouk, Lameri Mohamed</i></p> <p>HSD2024-ID 19 From Roads to Remedies: Exploring the Healthcare Applications of Autonomous Vehicles in Enabling Inclusive and Remote Medical Services <i>Elaa Elgharbi, Safa Bhar Layeb, Zoldy Mate</i></p> |
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| <p>14h30-15h30</p> | <p style="text-align: center;">English Session III: Operations Research for healthcare Session chairs : Pr. Safa Elkefi & Pr. Imen Mejri Room B https://meet.google.com/cpt-oizk-dvy</p> <p>HSD2024-ID 07 Applying Evolutionary Algorithms for Physician Scheduling in an Emergency Department <i>Ghada Yakoubi, Safa Bhar Layeb, Chahid Ahabchane</i></p> <p>HSD2024-ID 27 Efficient Scheduling in Operating Rooms: A Tunisian Hospital Case Study <i>Mariam Belhor, Adnen El-Amraoui</i></p> <p>HSD2024-ID 03 Etude de la Littérature du Problème de Dimensionnement d'Entrepôts Pharmaceutiques <i>Ben Hamed Nesrine, Bouajaja Sana, Belghith Mariem</i></p> <p>HSD2024-ID 02 Étude des Critères de Sélection des Fournisseurs de l'industrie pharmaceutique dans le Contexte Post-COVID-19 <i>Tlili Salma, Bouajaja Sana, Belghith Mariem</i></p> <p>HSD2024-ID 21 Preventive Maintenance in Operating Theatres: Status of Research <i>Khadija Sefraoui, Fouad Maliki, Najla Aissaoui Omrane, Safa Bhar Layeb, Mehdi Souier</i></p> |
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| <p>15h30-16h</p> | <p style="text-align: center;">Plenary Session Amphi Mokhtar Laatiri https://meet.google.com/cfi-yyht-umk</p> <p>«Advanced Analytics for Better Health and a Better World» Pr. Margaret L. Brandeau, Stanford University, USA.</p> |
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| <p>16h-16h15</p> | <p style="text-align: center;">Closing Ceremony Amphi Mokhtar Laatiri https://meet.google.com/cfi-yyht-umk</p> |
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