

## PROGRAMME DEFINITIF

JEUDI 17 OCTOBRE	
8H00 – 9H00	INSCRIPTION
9H00 – 9H30	SEANCE D'OUVERTURE DE LA CONFERENCE MOT DU PRESIDENT, MOT DU DIRECTEUR DE L'ENSA, MOT DU COMITE D'ORGANISATION
9H30 – 10H30	<b>Conférence plénière 1 : Plateformes technologiques dédiées à l'industrie 4.0</b> <i>Khaled BENFRIHA</i> , maître de conférences à l'école Nationale Supérieure d'Arts et Métiers, Paris, France <i>Chairman : Pr. Rachid Benmoussa</i>
10H30 – 11H00	PAUSE CAFE
11H00 – 12H00	<b>Conférence plénière 2 : Retour d'expériences de déploiement IIOT et IA en amélioration TRS et efficacité Énergétique en industrie</b> <i>Taher MOUNI</i> , CEO Beyond 4.0 <i>Chairman : Pr. Fatima BOUYAHIA</i>
12H00 – 13H00 SESSIONS PARALLELES	
<b>Session 1: Supply Chain, Supply Chain 4.0</b> <i>Chairman: Pr Badr DAKkak</i>	<b>Session 2 : Durabilité</b> <i>Chairmans : Pr. Allaoui Ali &amp; Pr. Dahbi Samia</i>
<b>A Comparative Analysis of Linear and Circular Supply chains Performance: A simulation Approach</b> Khadija Echefaj, Abdelkadir Charkaoui, Anass Cherrafi	<b>Environmental Tax Approach (ETA) application for the product and supply chain configuration problem</b> Mohamed Barane, Latifa Ouzizi and Mohammed Douimi
<b>Reviewing the Integration of Blockchain in Electronic Medical Records within the Pharmaceutical Supply Chain</b> SALOUA MIHOUBI, TOURIA BENAZZOUZI AND HANANE BELMOUSS	<b>Designing sustainable products to satisfy customer needs and reduce environmental impact: A systematic review of the ANP-QFD-ACV approach to sustainable innovation</b> RAZZOUK Khaoula, ELHAROUNI Fatine and AAMOUCHE Ahmed
<b>Study of the Impact of Lean Management Tools and the IATF Automotive Standard on Product and Process Quality Management</b> Oumaima El Affaki, Mariam Benhadou and Abdellah Haddout	<b>ISO 14001 certification as a strategic means of decarbonization: a multi-case study investigation</b> Afaf Camel, Fatima Ezahra Touriki and Amine Belhadi
13H00 – 14H00 DEJEUNER	
14H00 – 15H00	<b>Conférence plénière 3 : Les Systèmes Cyber physique de production et logistique (CPPLS) : Concepts, Techniques &amp; Applications</b> <i>Rachid BENMOUSSA</i> , Enseignant Chercheur à l'ENSA de Marrakech, Université Cadi Ayyad <i>Chairman : Khaled BENFRIHA</i>
15H00 – 16H20 SESSIONS PARALLELES	

<b>Session 3 : Industrie 4.0</b> <b>Chairman : Pr. TOURIKI Fatima Ezahra</b>	<b>Session 4: Lean, Lean 4.0</b> <b>Chairman : Pr Abdelkabir Cherkaoui</b>
<b>Agri-food supply chain under labor constraints and blockchain technology</b> Salma Garra, Clément Bamogo, Mustapha Oudani, Anass Sebbar, Amine Belhadi and Zied Achour	<b>Implementation of 5S lean tool in a higher education institution</b> Ali Allaoui and Rachid Benmoussa
<b>Empowering Industry 5.0 Supply Chain: Insights from a Systematic Literature Review of Digital Maturity Models</b> Saloua Mihoubi, Touria Benazzouzi and Khalid Auhmani	<b>Transforming Maintenance Performance through Lean-TRIZ</b> El Ghalya Laaroussi, Badr Dakkak and El Hassan Irhirane
<b>Exploring the transition from Maintenance 4.0 towards Maintenance 5.0: A Systematic Literature Review</b> Zineb Aktef, Anass Cherrafi, Said Elfezazi and Dounia Skalli	<b>Driving lean practices to improve procurement in supply chains through Industry 4.0</b> Sana Elhidaoui, Khalid Benhida, Said Elfezazi and Siham Tissir
<b>The blockchain technology for financial inclusion of smallholder farmers in Africa</b> Yassine Elkoraichi, Said Elfezzazi and Amine Belhadi	<b>Managers' Insights on Industry 4.0: Benefits, Strategies and Obstacles</b> Loubna Ben Heddi, El Hassan Irhirane and Badr Dakkak
<b>16H20 – 16H50 PAUSE-CAFE</b>	
<b>16H50 – 18H00 SESSIONS PARALLELES</b>	
<b>Session 5 : Industrie 4.0</b> <b>Chairman : Pr. Anas Cherrafi</b>	<b>Session 6 : Sujets Transversaux</b> <b>Chairman : Pr. Said ELfezazi</b>
<b>Digital twin for supply chain improvement: A case study of a building company</b> Zineb Nafi, Rachid Benmoussa and Fatine Elharouni	<b>Cutting parameters of milling process optimization to minimize material removal power for AISI 1045 steel</b> Fatima Zohra El Abdelaoui, Abdelouahhab Jabri and Abdellah El Barkany
<b>Artificial Intelligence in Cardiovascular Decision Making: A Tool for 3D Heart Modeling and Simulation of Tetralogy of Fallot</b> Aya Abiya, Fatima Bouyahia, Drissi Boumzebra, Mouhcine El Mardouli and Ahmed A Amouche	<b>Enhancing Student Outcomes through Educational Big and Data Mining: A Review of the State of Art</b> Fatima-Ezzahra Afif, Fatima Bouyahia and Leila Rafouk
<b>The Transformative Role of Machine Learning Algorithms in Supply Chain Management: A Systematic Literature Review</b> Khaoula Elkabtane, Touria Benazzouz, Samya Dahbi and Khalid Auhmani	<b>Port Community Systems and organizational performance: A socio-technical approach to evaluation.</b> Chafik Bensfia and Sanaa Aidi
<b>A machine learning approach based on contract parameters for cost forecasting in construction</b> Maroua Ben Talha, Fatima-Zahrae Houari, Asmaa Benghabrit and Mohamed Sayf Eddine Rhazi	
<b>18H00 Diner de Gala</b>	