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THE EMIRATES GROUP



The 5th International Aviation Management Conference 2024

18 - 19 November 2024

DAY 1

Monday 18 November 2024

08:30 - 09:00	Delegate Arrival & Registration		
Venue	Auditorium		
Moderator	Shereen Afana , Senior Registrar, Emirates Aviation University, UAE		
09:00- 09:05	Official Conference Inauguration by His Highness Sheikh Ahmed bin Saeed Al-Maktoum , Chairman and Chief Executive, Emirates Airline & Group		
09:05 - 09:10	Opening Address by Prof. Dr. Ahmad Al Ali , Vice Chancellor – Emirates Aviation University		
KEYNOTE SPEAKERS			
Venue	Auditorium		
Moderator	Shereen Afana , Senior Registrar, Emirates Aviation University, UAE		
09:10 - 09:30	Colonel Engineer Marwan Mohammad Singel - Director of Dubai Civil Aviation Security Center, Dubai Police <i>The impact of quality control on aviation security sustainability</i>		
09:30 - 09:50	Oliver Grohmann - Executive Vice President Human Resources – The Emirates Group <i>Aviation Trends: Advancements, Regulations, and Sustainability from Emirates Human Resources Perspective</i>		
09:50 - 10:10	Mohamed Abubaker Farea - ICAO Middle East Regional Director <i>Aviation Trends: Advancements, Regulations, and Sustainability from ICAO Perspective</i>		
10:10 - 10:30	Steve Allen - Chief Executive Officer – dnata <i>Aviation Trends: Advancements, Regulations, and Sustainability from dnata Perspective</i>		
10:30 - 10:50	Breakfast		
Venue	Auditorium		
Moderator	Shereen Afana , Senior Registrar, Emirates Aviation University, UAE		
10:50 - 11:10	Kashif Khalid - Regional Director, OSS Africa and the Middle East, IATA <i>Aviation Trends: Advancements, Regulations, and Sustainability from IATA Perspective</i>		
11:10 - 11:30	John Walker - Vice President Base Maintenance – The Emirates Group <i>Aviation Trends: Advancements, Regulations, and Sustainability from Emirates Group Engineering Perspective</i>		
11:30 - 11:50	Kieran Dowd - Emirates Flight Catering Vice President of Sourcing Solutions and the General Manager of Bustanica <i>Aviation Trends: Advancements, Regulations, and Sustainability from Emirates Bustanica Perspective</i>		
11:50 - 12:10	Prof. Bijan Vasigh - Professor of Economics and Finance at Embry-Riddle Aeronautical University <i>The Rise of Drones and Their Market Potential</i>		
12:10 - 12:20	Break		
Moderator	Dorian Notman , Senior Lecturer, RMIT University, Australia		
12:20 - 12:40	Prof. Paul D. Williams - Professor of Atmospheric Science - University of Reading, UK <i>Turbulence Ahead: Air Travel in a Warmer World</i>		
12:40 - 13:00	Prof. Anil Padhra - Senior Researcher - University of Cambridge, UK <i>The climate impact of aircraft condensation trails (Contrails)</i>		
13:00 - 14:00	Lunch		
AUTHORS' PRESENTATIONS			
Venue	Auditorium	Seminar Room	Library - PhD Lab 1
Session Title	Corporate Responsibility in Aviation	Workforce and Industry Dynamics	AI Innovations for Sustainable Aviation
Session Chair	Sven Maertens , Research Associate, German Aerospace Center, Germany	Kaitano Dube , Professor, Vaal University of Technology, South Africa	Hossein Zare-Behtash , Associate Professor, University of Southampton, UK
14:00 - 14:20	Influence of an Airline’s Corporate Social Responsibility on Passengers’ Airline Choices <i>Natalie Porter, Kim Dirks, Priyanka Dhopade</i>	The System of Quick Advance Payments for Air Passengers <i>Agnieszka Fortońska</i>	Advanced Air Mobility: Regulatory Trends, Societal Implications and Relations with Manned Air Transport <i>Andrea Trimarchi</i>
14:20 - 14:40	An Examination of Airlines’ Environmental and Social Disclosure: Does Board Gender Diversity Count? <i>Enoch Opare Mintah, Mahmoud Elmarzouky</i>	Are Older Employees the Most Satisfied in the Workplace? A Meta-Analysis Case Study Focused on Aviation Industry <i>Ahlam Mohammed, Omar Chafic</i>	Artificial Intelligence for Optimal Departure Time Recommendations in Sustainable Flight Operations <i>Deepudev Sahadevan, Hannah Al Ali, Dorian Notman, Hossein Zare-Behtash, Zindoga Mukandavire</i>
14:40 - 14:50	Break (session continues)		
14:50 - 15:10	Evaluating Airport Operators Performance: An Asset Management Assessment Framework <i>Dimitrios Dimitriou</i>	A Review of Main Causes of Aircraft Runway Excursion: A Case Study of Seven Aviation Markets Across the World <i>Aliyu Mohammed Tata, Chuba Henry Okeke, Liman Blessing, Usman Mohammed Sani</i>	Revolutionizing Airline Catering with AI: Harnessing Deep Learning and Cloud Technology for Accurate Food Waste Quantification and Sustainable Solutions <i>Khayyam Sikander, Rukshanda Kamran, Zainab Rasheed, Mostafa Kamil</i>
15:10 - 15:30		Revenge Tourism Post-COVID-19: Analysing the Surge and Its Implications for the Travel Industry <i>Nidhi Chaturvedi, Ronak J. Lad</i>	Improving Transportation Safety: A Bayesian Network Approach for Road Traffic and Aviation Risk Analysis <i>Elham Tolouei, Zindoga Mukandavire, Valentine Osegbo, Tabassom Sedighi, Alireza Daneshkhah</i>
19:00 - 22:00	Gala Dinner: Jumeirah Creekside Hotel		

DAY 2

Tuesday 19 November 2024

08:00 – 08:30	Arrival		
AUTHORS' PRESENTATIONS			
Venue	Auditorium		
Session Title	Sustainability in Aviation Operations		
Session Chair	Elmar M. Giemulla , Professor, Technical University Berlin, Germany		
08:30 – 08:50	Optimizing a sustainable aviation ecosystem with green hydrogen: An essential overview <i>Soha Lupescu</i>		
08:50 – 09:10	Mapping Aircraft Turbulence in South African Airspace: A Climate Perspective <i>Kaitano Dube</i>		
09:10 – 09:30	Cost and Sustainability Comparison of Airship vs. Long-Haul Trucking for Cold Chain Vegetable Logistics in Europe <i>Carlo Giovanni Ferro, Laura Leopoldo, Paolo Maggiore</i>		
09:30 – 10:00	Breakfast (Networking)		
Venue	Auditorium	Seminar Room	Library - PhD Lab 1
Session Title	Operational Resilience with Emerging Technologies	Weather, Materials and Reliability	Optimising Airline Operations
Session Chair	Wolfgang Grimme , Business Economist, German Aerospace Center, Germany	Hossein Zare-Behtash , Associate Professor, University of Southampton, UK	Dorian Notman , Senior Lecturer, RMIT University, Australia
10:00 – 10:20	Emerging Technologies in Focus: The Impact of AI and IoT on Operational Resilience in the Air Transport Industry <i>Serafeim Tsiakalos, Hayat El Asri</i>	Fog and Global Aviation: The State of Knowledge Evolution <i>Nthabiseng Letsatsi, Kaitano Dube, Kevin Mearns</i>	Airline Practice of Short Turnaround Times and Pilot Fatigue <i>Oliver Stuart Hart, Viktoriia Ivannikova</i>
10:20 - 10:40	Enhancing Flight Delay Predictions with CNN-Random Forest Algorithm <i>Blessy Trencia Lincy. S. S., Marwah Jalal Akbar Jumah Alblooshi, Sunday Moses Benjamin, Alireza Daneshkhah</i>	Analysis of Advanced Super Alloys Materials in Jet Engine High Pressure Turbine Blade and Thickness Optimization for Thermal Barrier Coating <i>Rashed Hussein, Hicham Machmouchi, Walid Abou-Hweij</i>	Airline Pilots' Perception of Mixed Fleet Flying and Its Influence on Mitigating Manual Flying Skills Erosion <i>Ahmad Oshaibat, Zara Canbary</i>
10:40 - 11:00	Single Pilot Operations: A Battle for the Public's Hearts and Minds <i>Sebastian Hall</i>	The Factors Which Impact Reliability of Aircraft Operations <i>Fares Alhamamdi, Sheharyar Malik, Abdulla Alaleeli, Ali Yousef, Mohammed Alhosani</i>	Analysing air traffic dynamics in North America: A study of delay impacts and strategies to maintain schedule resilience <i>KPD Frank Perera, Kazushi Sano, and WM Nalaka Bandara Abeyrathne</i>
11:00 – 11:10	Break		
Venue	Auditorium	Seminar Room	
Session Title	Aviation Regulations and Liability	Risks in Autonomous Aviation Systems	
Session Chair	Mohamed Torbati , Associate Professor, University of Southampton, UK.	Anil Padhra , Senior Researcher, University of Cambridge, UK	
11:10 - 11:30	The Brussels Effect of the Recent Amendments to the European Union Emissions Trading System for Aviation <i>Garry Gumelar Pratama</i>	Design of Rapid Response Unmanned Aerial System for Cardiac Arrest Victims Rescue <i>Bartłomiej Dziewoński, Krzysztof Kaliszek, Artur Kierzkowski</i>	
11:30 - 11:50	International Air Carrier Liability: Two Decades of Montreal Convention <i>Anselm M. Giemulla</i>	Pilot Shortage Problem-Solving with Extended Minimum Crew Operation <i>Khalid Binsultan, Attila Sipos</i>	
11:50 - 12:10	Revised Pilot Training Requirements in Advanced Air Mobility Space: An Exploratory Study <i>Fahad ibne Masood, Meer Ali Buksh</i>	Risk Dynamics: Unveiling Autonomous Drone Collision Risks Through Simulated Skies of the Future <i>Rudolfs Rumba, Maris Galauskis, Agris Nikitenko</i>	
12:10 – 12:20	Break		
Session Title	Sustainable Airport Management	Leadership and Training in Aviation	
Session Chair	Sven Maertens , Research Associate, German Aerospace Center, Germany	Attila Sipos , Senior Researcher, Ludovika University of Public Service, Hungary	
12:20 - 12:40	Airport Comprehensiveness Management Towards Sustainability: Training Organizations <i>Maria Sartzetaki, Aristi Karagkouni, Dimitrios Dimitriou</i>	Leadership in Airline Companies: A Comparative Analysis During and After COVID-19 Pandemic <i>Evangelia Pantelaki, Andreas Papatheodorou</i>	
12:40 - 13:00	Differentiation Strategy and Financial Performance in Flight Training Organizations <i>Sevda Ahmadian</i>	An Evidence-Based Framework for Customizing Flight Training Scenarios <i>Gerasimos Kontos, Oliver Lehmann</i>	
13:00 - 14:00	Lunch		
Venue	Auditorium		
Session Title	Enhancing Connectivity and Security		
Session Chair	Dorian Notman , Senior Lecturer, RMIT University, Australia		
14:00 - 14:20	Segment Versus OD Traffic: The Development of Passenger Flows Between Europe and the UAE and Potentials for New Direct Flights <i>Sven Maertens, Wolfgang Grimme</i>		
14:20 - 14:40	Enhancing Aviation Security: Impact of Employee Engagement on Reducing Human Factor Errors <i>Ahmad Alsuwaidi, Shamma Almheiri, Yahya Almansoori, Wajd Almarri</i>		
Venue	Auditorium		
Moderator	Shereen Afana , Senior Registrar, Emirates Aviation University, UAE		
14:40 - 15:00	Closing Session: Prof. Dr. Ahmad Al Ali , Vice Chancellor – Emirates Aviation University		

