

Faculty of Computing, Engineering and Media
De Montfort University

Post Graduate Research Conference 2022

| Time | 7 th September 2022 | | |
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| 9:15-9:30 | <p>Registration</p> <p>Microsoft Teams links are only for PT and iPhD students. All FT students are expected to attend in-person and will be considered as part of their required on-campus attendance.</p> | | |
| 9:30-9:45 | <p>Welcome Address</p> <p>Professor Shushma Patel</p> <p>Chair: Mr. Chimobi Samuel Okoro</p> <p>F2F Venue: Hugh Aston 0.08</p> <p>Teams Link : Click here to join the meeting</p> | | |
| 9:45-10:00 | | | |
| 10:00-10:30 | | | |
| 10:30-10:45 | <p>Coffee Break</p> | | |
| 10:45-11:15 | <p>School of Computing and Informatics (CSI)</p> <p>Chair: Ms Debalina Padariya</p> <p>F2F Venue: The Yard 2.05</p> <p>Teams Link: Click here to join the meeting</p> <p>CSI: Invited Talk</p> <p>Invited Speaker: Dr Georgios Leontidis, Interdisciplinary Director, Data and AI, Reader in Machine Learning, University of Aberdeen, UK</p> <p>Talk Title: Deep Learning and Simulations for Nuclear Reactor Anomaly Detection and Localisation</p> | <p>School of Engineering and Sustainable Development (ESD)</p> <p>Chair: Ms Ling Tian</p> <p>F2F Venue: Hugh Aston 0.08</p> <p>Teams Link: Click here to join the meeting</p> <p>ESD: Invited Talk</p> <p>Invited Speaker: Dr. Falah J Alamri, Dean of American International Academic Institute for Renewable Energy and Environmental Studies. A.I.A.I.R.E.E Talk Title: Challenges facing the new energy order.</p> | <p>Leicester Media School (LMS)</p> <p>Chair: Mr Lai Wei</p> <p>F2F Venue: The Yard 2.06</p> <p>Teams Link: Click here to join the meeting</p> <p>LMS: Invited Talk</p> <p>Invited Speaker1: Prof Matthew Hibberd, Professor of Media Management, Media Economics and Media and Cultural Industries at Università Svizzera italiana (USI), Lugano, Switzerland.</p> <p>Talk Title: Understanding the PhD and its Roles in Society</p> |

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| <p>11:15-12:45 (10 mins each talk)</p> | <p style="text-align: center;">CSI: Student Presentations</p> <ol style="list-style-type: none"> 1. Tolulope Odunsi: Digital Transformation in the Financial Services Sector: Implications for Sustainable Development in Nigeria 2. Siham Hasan: Study and Analysis the Impact of Time to Leave on Different Drop Policies for Delay Tolerant Networks 3. Ahmad Aladwan: Designing a blockchain-based security framework for low powered IoT equipment 4. Chandrima Rodrigo: Cybersecurity and User Training: The importance of understanding Threshold Concepts 5. Linqi Zhang: Taxonomy-Based Study of Customer Churn Prediction from a Data Mining Perspective 6. Mosbah Alown: Block-chain Based E-Voting System 7. Trevor Wood: No Phishing Here— combatting advanced phishing email attacks | <p style="text-align: center;">ESD: Student Presentations</p> <ol style="list-style-type: none"> 1. Abhijith Moni: Multidisciplinary Design Optimization of morphing aircraft with an adaptive trailing edge 2. Chris Yang: A Review to Lead-Free Ferroelectric Hybrid Organic and Inorganic Perovskites 3. Ebi Afkhami: The effect of tablet shape on dissolution behaviour using additive manufacturing 4. Hussein Hennaoui: Sensory Performance Benchmark for Autonomous and Controlled Ground Vehicles in Variable Dune Environment 5. Sylvia Delpratt: A comparative study of the performance of off-grid photovoltaic (PV) systems in The Gambia and Kenya 6. Yogeshvaran.R.: A novel design of Artificial limb fabrication using Recycled Composites 7. Ahmad Ali: Digital Twins in Agriculture | <p>11:15-11:45 Invited Speaker2: Dr Meena K. S. Iyer, Additional Professor and Head, Mental Health Education, National Institute of Mental Health and Neurosciences (NIMHANS), Bengaluru, India Talk Title: Media and Mental Health</p> <p style="text-align: center;">LMS: Student Presentations (11:45-12:45)</p> <ol style="list-style-type: none"> 1. Deborah Fakehinde: iMuseum: Intelligent, the interactive virtual museum for conserving and celebrating the history of Leicester’s multicultural population 2. Nygilia McClain: African Artists in Web3: NFTs, Afrofuturism, and Digital Humanities 3. Ruichao Wang: A conceptual framework for an emotion-based interactive system in the real-time theatre |
| <p>12:45-1:15</p> | <p>Lunch Break</p> <p>F2F Venue: Atrium space outside the lecture theatre in Hugh Aston 0.08</p> | | |

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| 1:15-1:45pm | <p>Keynote 2: Post Graduate Supervisors Panel Discussion Post Graduate Studies: Challenges and Opportunities Chairs: Ruichao Wang and Dr Lipika Deka</p> <p>F2F Venue: Hugh Aston 0.08 Teams Link: Click here to join the meeting</p> | | |
| 1:45-2:15 | <p>School of Computing and Informatics (CSI) Chair: Ahmad Lawal</p> <p>F2F Venue: The Yard 2.05 Team Link: Click here to join the meeting</p> <p>CSI: Invited Talk Invited Speaker: Dr Sumit Mukherjee Senior Machine Learning Scientist, Insitro Talk Title: Practical tools for privacy preserving synthetic data generation</p> | <p>School of Engineering and Sustainable Development (ESD) Chair: Hafiz Ali F2F Venue: Hugh Aston 0.08 Teams Link: Click here to join the meeting</p> <p>ESD: Student Presentations</p> <ol style="list-style-type: none"> 1. Barbara Chibvamu: Examining Challenges to Incorporating a Sustainable Urban Planning Policy in Zimbabwe 2. Bola Akinrolabu: Biophilic Design in Prisons: Are Benefits of Nature Derived through Awareness or Affinity? | LMS parallel session ends here. |
| 2:15-4:00 (10 mins each talk) | <p>CSI: Student Presentations</p> <ol style="list-style-type: none"> 1. Vincent Bryce : Exploring the business case for Responsible Research and Innovation 2. Chimobi Samuel Okoro: Corporate Surveillance | <ol style="list-style-type: none"> 3. Michaela Xuereb: The Feasibility of Widespread Deployment of Electric Vehicles in Small Islands – Malta as a case Study 4. Mohammed Nasir Abdullahi: Exploring Component Failure Analysis in the Oil and Gas Refinery | |

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| | <p>3. Abdullah Alsalemi: Changing Energy Behaviour: From Wastage to Savings</p> <p>4. MUHAMMAD JALEEL: Drift Gas Sensor Array Classification Using Deep Convolutional Neural Network</p> <p>5. Reem Bashir: Machine Learning based effective detection technique of emerging automotive cybersecurity incidents</p> <p>6. S. Mohsen Zahedi: Machine learning method to support personalised medical implants</p> <p>7. Noel Khan: Sensitivity Analysis of NASA AFRC's Expandable Variable-Autonomy Architecture</p> | <p>5. Moustapha M. Niang: Gendered Climate Vulnerability and Humanitarian Aid: Governance Models for Improving Resilience in Sub-Saharan Africa</p> <p>6. Ogemdi Chinwendu Anika: Prospects of Low and Zero-Carbon Renewable fuels in 1.5-Degree Net Zero Emission Actualisation by 2050: A Critical Review</p> <p>7. Ozan Tasli: Occupant-Centric Maintenance Prioritisation in University Campuses</p> <p>8. Silifat Abimbola Okoya: Ensuring Access to Quality Basic Education (SDG 4) in Nigeria Through the Investment in Teachers' Professional Development</p> <p>9. Thorsten Summ: Convective Losses of Insulating Glass Solar Thermal Flat-Plate Collectors</p> <p>10. Ling Tian: The role of Building Information Modelling (BIM) in construction management for green buildings: UK as case study</p> <p>11. Hafiz Ali: AI-assisted design and optimization of metamaterials</p> | |
| 4:00-4:30 | <p>Closing Remarks: Dr Lipika Deka F2F Venue: Hugh Aston 0.08 Teams Link: Click here to join the meeting</p> | | |