



## Day 1: November 7, 2022

09:30 – 10:30	Launching Ceremony
10:30 – 11:00	Coffee Break – Poster Presentations
11:00 – 11:30	<b>Keynote Speech</b> <i>Astronomy and Space Science for Mauritius in the SKA ERA</i> Speaker: Dr. R. Somanah   Chair: Dr. R. Goodary   Venue: Salle Polyvalente
11:30 – 12:00	<b>Keynote Speech</b> <i>Research Conduct and Ethics</i> Speaker: Prof. K. Busawon   Chair: Dr. D. Rughoo   Venue: Salle Polyvalente
12:00 – 13:00	Lunch – Poster Presentations

### Parallel Sessions – Faculty of Sustainable Development and Engineering

#### Session 1 – Génie Electromécanique et Automatisme

Session Chair: Dr. Raj Dreepaul  
Venue: Salle B104

- Mathematical Modelling and Numerical Simulation of Contact-Line Dynamics.**  
*Mohammad Irshad Khodabocus*
- Assessing the Need for Accreditation of PhD Engineering Programmes.**  
*Yogeshwarsing Calleecharan, Neermal Latchoomun*
- High resolution wind mapping of Mauritius.**  
*Tyagaraja Sooprayen Modelly Cunden*
- Modélisation des transferts thermiques lors d'une électrolyse sous champ magnétique alternatif.**  
*Durand Brunel Zozime Tsiatsipy*

#### Session 2 – Génie Electrique et Informatique Industrielle

Session Chair: Mr. M. Kaleem Khodabux  
Venue: Salle Animation

- Efficient numerical electromagnetic analysis of large antenna arrays.**  
*Keshav Sewraj*
- Assessment of marine renewable energy in Mauritius.**  
*Bhamini Sreekeessoon*
- Can Corporate Social Responsibility strategies be applied to achieve the Sustainable Development Goals through energy efficiency?**  
*Kaleem Khodabux*
- Overview of research in control system at UdM.**  
*Krishna Busawon*

#### Session 3 – Génie Civil I

Session Chair: Dr. Roodheer Beeharry  
Venue: Salle Conférence

- Potential use of Fly Ash as partial replacement in cement.**  
*Mahen Conhyea, Rajeshwar Goodary*
- Road Safety improvement of Powered-Two-Wheelers with the Safe System approach.**  
*Roodheer Beeharry*
- Effect of Rock Dust on the Geotechnical Properties of Dark Magnesium Clay.**  
*Rajeshwar Goodary, Anoop Aujayeb*
- High-performance foundations with cutouts (non-contact zone) in the bottom that are capable of taking significant eccentric loads.**  
*Oleksandr Samorodov, Rajeshwar Goodary*
- Sustainable soil stabilisation.**  
*Chetan K. Bhuckory, Slobodan Mickovski*
- Transition towards sustainable cement production in Tunisia: the limitations of donor interventions as promoters of niche development.**  
*Zyaad Boodoo, Ulrich Elmer Hansen*

#### Session 4 – Génie Civil II

Session Chair: Mr. Kamlesh Greedharry  
Venue: Salle Polyvalente

- Green concrete: Potency of Sugarcane Bagasse Ash as a Cementitious Material.**  
*Pritish Gupta Quedou*
- Engineering Education.**  
*Kamlesh Greedharry*
- Electronic waste management at Ebene Cybercity, Mauritius using QGIS.**  
*Abdel Isker Mudhawo, S. M. Izhaar Kirdalikhhan*
- Design of a sustainable residential building for the higher plateau of Mauritius: A case study at Eau Bleu.**  
*Abdel Isker Mudhawo, Christophe Lajoie*
- Tsunami Vulnerability Assessment Mapping of Grand Bay, Mauritius, using Remote Sensing and Geographical Information System (GIS).**  
*Abdel Isker Mudhawo, ESM Suresh*

13:00 – 15:00

Coffee Break:  
14:00 – 14:15



## Day 2: November 8, 2022

09:30 – 10:00	Welcome Coffee – Poster Presentations
10:00 – 10:40	<p><b>Keynote Speech</b></p> <p><i>Un exemple d'application des humanités numériques : le word cloud</i></p> <p><b>Speaker: Prof. J. M. Ginoux   Chair: Dr. N. Pirbhai-Jetha   Venue: Lecture Theatre 1</b></p>
10:40 – 11:20	<p><b>Keynote Speech</b></p> <p><i>Implementation of Social and Environmental Responsibility Studies in University des Mascareignes, Mauritius</i></p> <p><b>Speaker: Mr. G. H. Migale   Chair: Mr. S. Amic   Venue: Lecture Theatre 1</b></p>
11:20 – 12:00	<p><b>Keynote Speech</b></p> <p><i>Research Conduct and Ethics</i></p> <p><b>Speaker: Prof. K. Busawon   Chair: Mr. R. Hosenkhan   Venue: Lecture Theatre 1</b></p>
12:00 – 13:00	Lunch – Poster Presentations
13:00 – 15:00	<p><b>Session – Faculty of Information and Communication Technology</b></p>
	<p><b>Session – Software Engineering and Digital Humanities</b></p> <p>Session Chair: Mr. Sanjeev K Cowlessur Venue: Lecture Theatre 1</p>
<p><b>Coffee Break:</b> 14:00 – 14:15</p>	<ol style="list-style-type: none"> <li><b>Cryptanalysis of Block Ciphers using Metaheuristics.</b> <i>Seeven Amic</i></li> <li><b>Vers une éducation durable à la culture numérique: jalons et perspectives.</b> <i>Shameera Lauthan, Mahejabeen Peermamode Mohaboob</i></li> <li><b>Etude qualitative des éditions numériques francophone de l'île Maurice.</b> <i>Nelson Nicephore Ndoume, Neelam Pirbhai-Jetha</i></li> <li><b>L'utilisation du « web scraping » dans l'analyse des articles de presse sur la sorcellerie.</b> <i>Neelam Pirbhai-Jetha</i></li> <li><b>A Secured Communication Model for Internet of Things.</b> <i>Reza Hosenkhan, Binod Kumar Pattanayak</i></li> </ol>



## Day 3: November 9, 2022

09:30 – 10:00	Welcome Coffee – Poster Presentations
10:00 – 10:40	<p><b>Keynote Speech</b> <i>Researching for Impact</i> Speaker: Prof. B. Seetannah   Chair: Dr. S. Peeroo   Venue: Lecture Theatre 1</p>
10:40 – 11:20	<p><b>Keynote Speech</b> <i>Une approche évolutive de la recherche dans une université bilingue</i> Speaker: Dr. N. Betchoo   Chair: Dr. S. Peeroo   Venue: Lecture Theatre 1</p>
11:20 – 12:00	<p><b>Keynote Speech</b> <i>Assessing the Mauritian Innovation ecosystem for improving economic development</i> Speaker: Dr. R. Roopchand   Chair: Dr. S. Gungadeen   Venue: Lecture Theatre 1</p>
12:00 – 13:00	Lunch – Poster Presentations

### Parallel Sessions – Faculty of Business and Management

	Session 1 – Business and Management I	Session 2 – Business and Management II
	<p>Session Chair: Dr. Randhir Roopchand Venue: Lecture Theatre 1</p>	<p>Session Chair: Dr. Sanjiv Gungadeen Venue: Lecture Theatre 2</p>
	<ol style="list-style-type: none"> <li><b>From technical higher education to a research-focused university.</b> <i>Nirmal Betchoo</i></li> <li><b>Analysing the perception of SMEs regarding the institutional and government policy decisions to support SMEs with COVID-19.</b> <i>Randhir Roopchand</i></li> <li><b>Drug trafficking: the case of the island state of Mauritius.</b> <i>Giandeo Mungroo, Martin Samy</i></li> <li><b>Analysing institutional and government support for the development of Mauritian SMEs.</b> <i>Randhir Roopchand</i></li> <li><b>Assessing the Current State of Science, Technology, and Innovation in Mauritius for Improving Economic Growth and Development.</b> <i>Randhir Roopchand</i></li> <li><b>Development of a Research Quality Framework (RQF) to assess the quality of research in Mauritian Universities.</b> <i>Kiran Tatoree, Dinesh Kumar Hurreeram</i></li> </ol>	<ol style="list-style-type: none"> <li><b>Les TIC, outils de prise de conscience pour faire évoluer les pratiques pédagogiques à l'Université des Mascareignes.</b> <i>Krishnah Moorfee Saurty</i></li> <li><b>Leadership Styles, Secondary Schools Performance and Learners' Achievement in Mauritius.</b> <i>Veerunjaysingh Subrun</i></li> <li><b>The efficiency of a good of Self-image: Redefining the Impression Management of young students.</b> <i>Vandita Ladkoo</i></li> <li><b>The Challenges to integrate Sustainable Development Goals in the Higher Education Sector in Mauritius: The Case Study of a public university.</b> <i>Sanjiv Gungadeen</i></li> <li><b>The impact of National culture dimensions on CSR of firms: A case of private sector organisations in Mauritius.</b> <i>Sanjiv Gungadeen, Gawree Ballgobin</i></li> <li><b>Content Analysis of Corporate Facebook Pages of Conglomerates in Mauritius.</b> <i>Swaleha Peeroo</i></li> </ol>
13:00 – 15:00		
Coffee Break: 14:00 – 14:15		

### Session 3 – Business and Management III

<p>Session Chair: Mrs. Normada Bheekharry Venue: Digital Humanities Lab</p>	<ol style="list-style-type: none"> <li><b>Policy Implications for Mauritius of Projected Climate Changes based on the Findings of the Intergovernmental Panel on Climate Change's Sixth Assessment Report.</b> <i>Zyaad Boodoo, Prakash Deenapanray</i></li> <li><b>Ecosystem Natural Capital Accounting for the private sector – integrating valuation of natural capital and ecosystem services enhancement into landowners' financial and decision models.</b> <i>Xavier Koenig</i></li> <li><b>Making the Business Case for Investments in Corporate Sustainability adopting circular economy principles: Case of SMEs in Mauritius.</b> <i>Razafintsalama Rivomalala Nirina</i></li> <li><b>Marketing on a crossroad: Digitalisation, sustainability and Data protection.</b> <i>Normada Bheekharry</i></li> <li><b>Using Stakeholder Expectations and Perceptions to Guide the Brand Refresh of a Tropical Airline.</b> <i>Vimi Neeroo Lockmun-Bissessur, Swaleha Peeroo</i></li> <li><b>A Framework for Assessment of Ethical Values in E-Government Implementation: A case of the Mauritian Public Sector (Corporate and Business Registration Department).</b> <i>Kylesh Gopaul</i></li> </ol>
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