

mauricon.org/icarti



icARTi
2021

2021 International Conference on Artificial Intelligence and its Applications (icARTi 2021)



9 & 10 December 2021

Voilà Hotel Bagatelle, Mauritius

icARTi 2021

Thursday, 9th December 2021 [Day 1]

MRU Time	SA Time	icARTi 2021 (Virtual Conference)
10.00 – 10.10	08.00 – 08.10	Virtual Opening Ceremony Welcome Address by Master of Ceremony
10.10 – 10.20	08.10 – 08.20	Address by General Chair: Prof. (Dr) Reggie Davidrajuh
10.20 – 10.30	08.20 – 08.30	Group Photo Session via Zoom
10.30 – 11.20	08.30 – 09.20	Keynote Speech by Prof. Krisztian Balog Toward more Natural Interactions with Conversational AI Systems
11.20 – 11.30	09.20 – 09.30	Virtual Break
Technical Session 1 – Applications of Artificial Intelligence		
11.30 – 13.30 MRU	09.30 – 11.30 SA	Integrating Unmanned Aerial Vehicle and Deep Learning Algorithm for Pipeline Monitoring and Inspection in the Oil and Gas Sector Uchechi F. Ukaegbu , Lagouge K. Tartibu, Modestus O. Okwu and Isaac O. Olayode
		A Deep Learning Approach of Recognizing Natural Disasters on Images using Convolutional Neural Network and Transfer Learning Daryl B. Valdez and Rey Anthony G. Godmalin
		Enhanced Deep Learning Feature Extraction for Plankton Taxonomy Ian du Toit
		Comparing the Performance between Virtual Machines and Containers using Deep Learning Credit Models Kennedy Chengeta
		Adaptive Machine Learning Based Network Intrusion Detection Hatitye Chindove and Dane Brown
		Deep Learning Application in Diverse Fields with Plant Weed Detection as a Case Study Uchechi F. Ukaegbu , Lagouge K. Tartibu, Modestus O. Okwu and Isaac O. Olayode
13.30 – 14.30	11.30 – 12.30	Lunch Break
14.30 – 15.30	12.30 – 13.30	Keynote Speech by Dr. Febe de Wet Speech Technology in African Languages

15.30 – 16.30	13.30 – 14.30	<p align="center">Workshop by Dr Dane Brown Application of Deep Learning on the Automatic Classification of Images</p>
16.30 – 16.40	14.30 – 14.40	Virtual Break
Technical Session 2 – Applications of Artificial Intelligence		
16.40 – 18.00 MRU	14.40 – 16.00 SA	<p>Natural Language Processing Techniques to Reveal Human-Computer Interaction for Development Research Topics Tawanda Blessing Chiyangwa, Judy van Biljon and Karen Renaud</p>
		<p>Fog Computing for Efficient Predictive Analysis in Smart Grids Rituka Jaiswal, Reggie Davidrajuh and S. M. Wondimagegnehu</p>
		<p>An Automated Personal Carbon Footprint Calculator for Estimating Carbon Emissions from Transportation Use Chiamaka Ann Marie Ajufu and Girish Bekaroo</p>
		<p>Smart Hat for the blind with Real-Time Object Detection using Raspberry Pi and TensorFlow Lite Matshehla Konaite, Pius A. Owolawi, Temitope Mapayi, Vusi Malele, Kehinde Odeyemi, Gbolahan Aiyetoro and Joseph S. Ojo</p>
End of First Day of Conference		

Friday, 10th December 2021 [Day 2]

MRU Time	SA Time	icARTi 2021 (Virtual Conference)
10.00 – 10.10	08.00 – 08.10	Welcome Address by Master of Ceremony
10.10 – 10.20	08.10 – 08.20	Address by General Co-Chair: Prof. (Dr) Pius Adewale Owolawi
10.20 – 10.30	08.20 – 08.30	Group Photo Session via Zoom
10.30 – 11.20	08.30 – 09.20	Keynote Speech by Prof. Chunming Rong Secure Blockchain Ecosystem–The Network is my Computer
11.20 – 11.30	09.20 – 09.30	Virtual Break
Technical Session 3 – Applications of Artificial Intelligence		
11.30 – 13.30 MRU	09.30 – 11.30 SA	Managing the Shift in the Enterprise Perimeter in order to delay a Cybersecurity Breach Muyowa Mutemwa , Mfundo Glenn Masango and Noluxolo Gcaza
		Intrusion Detection System using Raspberry Pi and Telegram Integration Mfundo Zuma , Pius A. Owolawi, Vusi Malele, Kehinde Odeyemi, Gbolahan Aiyetoro and Joseph S. Ojo
		Virtual Reality Application Based on Inertia Boikhutso Simon Modibane , Pius A. Owolawi, Temitope Mapayi, Vusi Malele and Gbolahan Aiyetoro
		IoT-Based Smart Library Seat Occupancy and Reservation System using RFID and FSR Technologies for South African Universities of Technology Magauwane R. Maepa and Michael N. Moeti
		Enhancing Student Support via the Application of a Voice User Interface System: Insights on User Experience Ouwesh Seeroo and Girish Bekaroo
		Advanced Environment Modelling for Remote Teleoperation to Improve Operator Experience Yixiang Jin , Daniel Alonso Paredes Soto, John Anthony Rossiter and Sandor M. Veres
13.30 – 14.30	11.30 – 12.30	Lunch Break
14.30 – 15.30	12.30 – 13.30	Keynote Speech by Dr Wasswa William Leveraging AI to Improve Diagnosis and Classification of Cervical Cancer
15.30 – 17.30	13.30 – 15.30	Workshop Machine Learning with Python
Vote of Thanks		
End of Conference		