Programme

International Symposium on Robotics and AI in Libraries and the Education Sector

10–11 November 2021

University of Pretoria (South Africa) in collaboration with the International Federation of Libraries Association (IFLA) IT Section

DAY 1: ROBOTICS SESSION	Time
Programme Director: Mr. Lazarus Matizirofa, Deputy Director, DLS UP – Robotics Session	
Welcome and Opening Remarks: Prof. Caroline Nicholson, Registrar, UP	10:00
Moderator: Prof. Pillay, Head of Department, Computer Science, UP	10:10
Keynote Speaker: Prof. Tawana Kupe, Vice-Chancellor and Principal, UP	10:20
Guest Speaker: Prof Arthur G.O. Mutambara; Executive Director and Full Professor, Institute for the Future of Knowledge, University of Johannesburg, South Africa	10:50
Guest Speaker: Prof. Tshilidzi Marwala, Vice-Chancellor, University of Johannesburg	11:20
Comfort break	11:50
Presenter: Mr. SO Odeyemi (University of KwaZulu-Natal, South Africa) What is now different in Nigerian Academic Libraries? – Recent developments in robotics and Artificial Intelligence (AI): Use and impact of Artificial Intelligence (AI)	12:00
Panel Discussion Moderator: Prof. Pillay, Head of Department, Computer Science, UP	12:20
Short presentations/sponsor demonstrations: WWIS in collaboration with AAAS Science Robotics	12:50
Closing: Programme Director, Mr. Lazarus Matizirofa	13:20
Comfort/Lunch Break/Sponsorship demonstrations/Networking	13:30 – 14:00

DAY 1: ARTIFICIAL INTELLIGENCE SESSION	Time
Programme Director: Mr. Modisa Khosie, Deputy Director, DLS UP	14:00
Keynote Speaker: Prof. Caroline Nicholson, Registrar, UP	14:10
Guest Speaker: Prof. Pillay, Head of Department, Computer Science, UP	14:30
Guest Speaker: Prof. Wynand Steyn, Head: Department of Civil Engineering: Engineering 4.0, UP	15:00
Comfort break	15:30
Guest Speaker: Prof. Fathima Paruk, Clinical and Academic Head of Department: Clinical Unit Critical Care, UP	15:35
Presenters: Mr. IM Omame (Primary Author), Dr. FP Abifarin and Ms. SA Imavah Federal University of Lafia, Nasarawa State, Nigeria, Federal University of Technology Minna, Nigeria; Adoption and Implementation of Artificial Intelligence and Robotics in Libraries in Developed and Developing Countries: Robots in Action	16:05
Comfort break	16:25
Presenter: Prof. Dr. Ing. Johannes Trabert, MetraLabs GmbH, Jena University of Applied Sciences, Germany; RoboLibri – efficient RFID 3D-inventory robot and autonomous guide to books	16:30
Presenter: Mr. Chipa Maimela, University of Pretoria Library; Artificial intelligence (AI) and how it affects the Learning and development in Libraries	16:50
Presenter: Mr. Isak van der Walt, University of Pretoria Library; All Robots Great and Small: Robotics in Academic Libraries	17:10
Comfort break	17:30
Panel Discussion Moderator: Mr. Robert Moropa, recent past Director, DLS UP	17:35
Short presentations/sponsor demonstrations	18:05
Closing: Programme Director: Mr. Modisa Khosie, Deputy Director, DLS UP	18:15

Day 2	
Theme 1: Robotics - Innovations and futures ▪ Telepresence ▪ Humanoids robots for library services ▪ Robots in education	
Programme Director: Mr. Chipa Maimela, Training Coordinator, DLS UP	
Welcome and Opening Remarks: Mr. Robert Moropa, recent past Director, DLS, UP	10:00
Moderator: Mr. Chipa Maimela, Training Coordinator, DLS UP	10:10
Presenter: Dr. LT Kleinveldt, Cape Peninsula University of Technology; Incorporating Artificial Intelligence and Robotics into the LIS classroom: a systematic review	10:20
Comfort break	10:40
Presenter: Mr Mohammad Hossein Vaghefzadeh, Rahyab Payam Gostaran; Rolib: Humanoid robot with Voice Assistant for people with disabilities in libraries	10:45
Presenter: Mr. Joussouf Sall, Donifab; Goty	11:05
Comfort break	11:25
Presenters: Mr Gladwyn Teo, Mr. Peter Mao (Primary author), Senserbot, Singapore, Shelf scanning robot	11:30
Presenters: Tawanda Kanhema (Primary author), Unmapped Planet, San Francisco, Dr. Britta Ricker, Utrecht University, Netherlands; San Francisco Utrecht; Beyond Coordinates: Combining Indigenous Geographic Knowledge and GeoAI in Map-Making	11:50
Presenters: Ms. Neli Kaunda (Primary author), Mr. Lizwi Njani, Northwest University; Towards implementing Artificial Intelligence (AI) based tools in academic libraries: A case study of the North-West University in South Africa	12:10
Comfort break	12:30
Panel discussion chaired by: Dr. Edmund Balnaves	12:35
Short presentations/sponsor demonstrations	13:15
Closing: Moderator, Mr. Chipa Maimela, Training Coordinator, DLS UP	14:00
Comfort/Lunch Break/Sponsorship demonstrations/Networking	14:00 – 14:30

Day 2	
Theme 2: Artificial Intelligence - Innovations and Futures ▪ Cognitive automation ▪ Language and AI ▪ Social interaction ▪ Ethical / Social issues	
Moderator: Ms. Juja Chakarova, Max Planck Institute, Luxembourg	14:30
Presenter: Ms. MR Ramokgola, University of Pretoria Library; The use of artificial intelligence attributed from a librarian, the deployment of a service robot, as an innovative library service tool for client service perspective at the University of Pretoria	14:40
Presenter: Dr. Edmund Balnaves, Prosentient Systems; Toolkits for AI adoption in Libraries	15:00
Comfort Break	15:20
Presenter: Mr. Luvuyo Gantsho, Springer; God does not play dice but self-driving cars should	15:25
Presenter: Ms. CN Mafumama; The use of an Artificial Intelligence Chatbot at the University of Johannesburg Academic Library – Humanoid robots for library services	15:45
Panel discussions chaired by: Ms. Juja Chakarova	16:05
Short presentations/sponsor demonstrations	16:35
Session Closed: Moderator, Ms. Juja Chakarova	17:05
Vote of Thanks and Closure of International Symposium: Mr. Lazarus Matizirofa	17:15