

DIRISA 2024 Annual National Research Data Workshop

Wednesday 03 July 2024

Session: Opening - ICC-G-Ruby - Ruby Auditorium (08:30-10:40)

-Conveners: Ina Smith

time	[id] title	presenter
08:30	[26] Welcome	Mrs SMITH, Ina
08:35	[27] Opening	Dr WAKABA, Lulama
08:50	[39] Update on South African Cyberinfrastructure Initiatives	
09:05	[28] How do we measure the impact of big data in society?	Mr MOKHOHLANE, Daniel Manama
09:20	[8] DOCiD (Digital Object Container iD) by the Africa PID Alliance	Mr KSIBI, Nabil
09:50	[32] The prediction of the South African elections' outcome	Dr MOKILANE, Paul

Session: DIRISA - ICC-G-Ruby - Ruby Auditorium (11:00-12:05)

-Conveners: Ina Smith

time	[id] title	presenter
11:10	[23] Update on NICIS 100Gbps Data Transfer Services – 1TB in 3mins!	PILLAY, Kasandra

Session: Technical - ICC-G-Ruby - Ruby Auditorium (13:00-15:00)

-Conveners: Ina Smith

time	[id] title	presenter
13:00	[6] Spatial Modelling of Irrigation Water Quality: Assessing SAR in South Africa's Agricultural Landscapes	Dr ROBERTS, Danielle Dr NOCANDA, Xolani
13:20	[3] AI model for securing Internet of Things communication systems in smart agriculture.	NGOMANE, Issah
13:40	[1] The Significance of CoreTrustSeal Certification: A Case Study of Stellenbosch University	Mr XESI, Xabiso
14:00	[2] Data Management in National Assessments: A Look towards the Future	Dr CHAMBA, Lucy Tambudzai
14:20	[4] A Robust Data Visualisation Technique for Data-Driven Decisions: Illustrations from Power Demand and Supply	Dr MWITONDI, Kassim
14:40	[38] National Policy Data Observatory (NPDO)	Mr HOLDER, Ross

Session: Technical - ICC-G-Ruby - Ruby Auditorium (15:20-16:45)

-Conveners: Ina Smith

time	[id] title	presenter
15:20	[29] The Future of Research Data: Open Science, FAIR Principles, and Effective Governance	Mr MAREDI, Thapelo

16:00	[33] Data mining, management and modelling in advancing water and sanitation systems	Dr SULIMAN, Ridhwaan
16:20	[34] Big Data Analytics for Intelligent Temperature Prediction in CNC Machining using PCA and AI	HWEJU, ZVIKOMBORERO Ms DANDIRA-CHIBAYA, Varaidzo
16:40	[40] Wrap Up Day 1	SMITH, Ina

Thursday 04 July 2024

Session: Technical - ICC-G-Ruby - Ruby Auditorium (08:30-10:15)

-Conveners: Ina Smith

time	[id] title	presenter
08:30	[41] Welcome	
08:35	[7] Machine-learning algorithms for mapping LULC of the uMngeni catchment area, KwaZulu-Natal	BHUNGENI, ORLANDO
08:55	[9] Exploring Technical Challenges in Data Science Fundamentals with Python for First-year Students at a Rural South African University	Ms GUMBO, Sibukele
09:55	[22] Investigating the Prospects of Blockchain Technology in an Electoral System	

Session: Technical - ICC-G-Ruby - Ruby Auditorium (10:45-12:25)

-Conveners: Ina Smith

time	[id] title	presenter
11:05	[12] Securing Identity using Biometrics and Zero Knowledge Proofs	Mrs NTSHANGASE , Sthembile Ms MYAKA, Siphellele
11:25	[13] Unpacking the role of information specialist at a 21st century academic library: Research Data Management at the University of Pretoria.	Mr MATHIBA, Tlou
12:05	[15] Machine Learning in HIV Testing: A Bibliometric Analysis of Published Studies 2000-2024	Mr JAITEH, Musa

Session: Technical - ICC-G-Ruby - Ruby Auditorium (13:05-15:05)

-Conveners: Ina Smith

time	[id] title	presenter
13:05	[17] Context-Based Question Answering using Large Language BERT Variant Models for Low Resourced Sotho sa Leboa Language.	MASETHER, Hlaudi
13:45	[24] Big data and machine learning skills, experience, methods, and big data usage. Empirical evidence from manufacturing firms in Zimbabwe.	Mrs CHIBAYA, Sostina Varaidzo Dr CHINAKIDZWA, More
14:05	[20] Enhancing Climate Services in South Africa	Dr MAHLOBO, DAWN

Session: Technical - ICC-G-Ruby - Ruby Auditorium (15:25-16:45)

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