



HYBRID PROGRAMME

The Economic Perspective on AI (EPEAI)

International Conference about AI in Business and
Economics 2024 Programme

5 - 6 September 2024

DAY 1 - THURSDAY 5 SEPTEMBER 2024

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| <p>09:00 – 10:00</p> | <p>Registration</p> | |
| <p>10:00 – 10:15</p> | <p>Welcoming Remarks <i>Professor Tankiso Moloi & Professor Michael Vogelsang</i> Link: Venue: LG 15</p> | |
| <p>10:15 – 10:20</p> | <p>Introduction of Parallel Sessions <i>Professor Tankiso Moloi</i> Link: Venue: LG 15</p> | |
| <p>PARALLEL SESSIONS</p> | | |
| <p>10:30 – 12:30</p> | <p><i>Parallel Session A: Economic Models and Indicators</i> Session Chair: Professor Michael Vogelsang Link: Breakaway Room: LG 15</p> <p>P2: Deep learning-based emulation of complex economic models <i>Kevin Schneider, Dimitrios Kremmydas, Victor Nechifo & Christian Elleby</i></p> <p>P35: Automated Labor: Global Employment Dynamics in the Presence of Robots and Reshoring <i>Thinh Huu Nguyen & Jindřich Soukup</i></p> <p>P1: Monitoring Time-Varying Systemic Risk in Sovereign Debt and Currency Markets with Generative AI (Virtual) <i>Sabuhi Khalili & Jorge M. Uribe</i></p> <p>P27: A Case for Explicable Deep Learning: Cryptocurrencies and Sentiment <i>Katharina Irmgard Köstner, Bàrbara Llacay Pintat & David Alaminos Aguilera</i></p> | <p><i>Parallel Session B: Entrepreneurship and Technology</i> Session Chair: Professor Tankiso Moloi Link: Breakaway Room: LG 16</p> <p>P28: Exploring the Cost Implications of Artificial Intelligence Adoption for Small and Medium Accounting Firms in South Africa <i>Omolola Arise & Tankiso Moloi</i></p> <p>P7: The Role of Artificial Intelligence and Entrepreneurship within the Sharing Economy: A Systematic Literature Review (Virtual) <i>Ofentse Olunloyo & Tankiso Moloi</i></p> <p>P45: Exploring the Impact of Frontier Technology on Youth Employment in Kenya (Virtual) <i>Jacob Nunoo & Brigid K. Gesami</i></p> <p>P19: AI Applications in Financial Literacy Education: Empowering Individuals for Better Financial Decision-Making <i>Ziyi Wang, Niklas Pitschke</i></p> |
| <p>12.30 – 13:30</p> | <p>LUNCH</p> | |

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| <p>13:30 – 15:00</p> | <p><i>Parallel Session C: Strategy, Auditing and Reporting</i></p> <p>Session Chair: Professor Michael Adelowotan</p> <p>Link:</p> <p>Breakaway Room: LG 15</p> <p>P22: The Impact of AI-Based Technologies on Business Models and Strategies: A Systematic Literature Review <i>Linda Malinga & Nonceba Ntoyanto-Tyatyants</i></p> <p>P23: Implications of Artificial Intelligence in the Integrated Annual Reports of the JSE-Listed Companies <i>Thapelo Lebeso & Kgobalale N. Motubatse</i></p> <p>P13: Requirements for the Audit of Artificial Intelligence: Recommendations for Good Practice <i>Lethiwe Nzama-Sithole & Sezer Bozkus Kahyaoglu</i></p> | <p><i>Open Discussion: AI and Philosophy</i></p> <p>Session Chair: Professor Nyankomo Marwa</p> <p>Link:</p> <p>Breakaway Room: LG 16</p> <p>P39: Economics as Religion, the Market as God, and AI as Eucharist (Virtual) <i>Ranjini Thaver</i></p> <p>Open Discussion</p> | | | | | | |
| <p>15.00 – 16:00</p> | <p>TEA BREAK</p> <p>and</p> <p><i>Poster Presentations in LG 15</i></p> <p>Session Chair: Dr. Varaidzo Denhere</p> <table border="0" style="width: 100%;"> <tr> <td style="width: 33%; vertical-align: top;"> <p><i>Nyiko Grevis Mahlaule:</i></p> <p>Challenges faced by small medium and micro enterprise in the information and communications technology sector in the adoption of new technologies</p> </td> <td style="width: 33%; vertical-align: top;"> <p><i>Brian Karidza:</i></p> <p>Enhancing the Efficiency of a Small Actuarial Consulting Company through Digitisation</p> </td> <td style="width: 33%; vertical-align: top;"> <p><i>Wardani, Mega Kusuma:</i></p> <p>Building Bridges: AI Matchmaking Platforms as Drivers of Economic Development Agency Initiatives</p> </td> </tr> <tr> <td style="vertical-align: top;"> <p><i>Zarui Martirosyan:</i></p> <p>Between technology and ethics. Challenges and measures for the ethical use of AI</p> </td> <td style="vertical-align: top;"> <p><i>Amanasen Govender:</i></p> <p>Leveraging Underutilised State Fibre Infrastructure to Promote Inclusive Digital Transformation in South Africa</p> </td> <td style="vertical-align: top;"> <p><i>Kgaugelo Mphahlel:</i> ...</p> <p>Financial planning awareness and education strategies for black professionals in information technology</p> </td> </tr> </table> | | <p><i>Nyiko Grevis Mahlaule:</i></p> <p>Challenges faced by small medium and micro enterprise in the information and communications technology sector in the adoption of new technologies</p> | <p><i>Brian Karidza:</i></p> <p>Enhancing the Efficiency of a Small Actuarial Consulting Company through Digitisation</p> | <p><i>Wardani, Mega Kusuma:</i></p> <p>Building Bridges: AI Matchmaking Platforms as Drivers of Economic Development Agency Initiatives</p> | <p><i>Zarui Martirosyan:</i></p> <p>Between technology and ethics. Challenges and measures for the ethical use of AI</p> | <p><i>Amanasen Govender:</i></p> <p>Leveraging Underutilised State Fibre Infrastructure to Promote Inclusive Digital Transformation in South Africa</p> | <p><i>Kgaugelo Mphahlel:</i> ...</p> <p>Financial planning awareness and education strategies for black professionals in information technology</p> |
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| 16:00 – 16:45 | Keynote Speaker – Yosef Bonaparte Topic: Financial Markets and International AI Competitiveness Link: Venue: LG 15 |
| 16:45 – 17:30 | Keynote Speaker – Peter Norvig Topic: Is it possible to regulate the future? Link: Venue: LG 15 |

DAY 2 – FRIDAY, 6 September 2024

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| <p>9:00 – 11:00</p> | <p><i>Parallel Session D: Production Technology and AI</i></p> <p>Session Chair: Dr. Mosupye-Semenya</p> <p>Link:</p> <p>Breakaway Room: LG 15</p> <p>P10: Artificial Intelligence in Logistics-Potentials, Conditions and Examples of use <i>Sonje Schade</i></p> <p>P25: Leveraging Satellite Imagery and Machine Learning for Agricultural Monitoring: A Case Study In Santa Catarina, Brazil (Virtual) <i>CALVETTI, Fernando dos Santos, FERNANDES, Carlos Eduardo Valnier, GOETTEN, Maria Luísa & PILATI, João Vitor Bittencourt</i></p> <p>P30: Using Artificial Intelligence in Vibration Diagnostics: Exploring Business Models and the Value of Human Expertise <i>Rebecca John</i></p> <p>P31: Data-Driven Optimization of Maintenance Strategies in Production Plants: An AI-Based Approach with Big Data Analysis and Pareto Distribution Tests Markus Ahorner, Prof. Dr.-Ing. Karla Ohler-Martins, Edgar Hetberg and Solveig Ahorner</p> |
| <p>11:00 – 11:20</p> | <p style="text-align: center;">TEA BREAK</p> |
| <p>11:20 – 12:00</p> | <p>Introduction of a keynote speaker: <i>Professor Tankiso Moloji</i></p> <p>Link:</p> <p>Venue: LG 15</p> <p>Keynote Speaker – Prof. Dr. Wim Naudé, RWTH Aachen University, Germany</p> <p>Topic – Corporate Strategy and the Economics of Artificial Intelligence: What they Don't Teach You at Business School</p> |

| Parallel Sessions | |
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| <p>12:10 – 13:40</p> | <p><i>Parallel Session E: Change of Skills, Tasks and Jobs</i></p> <p>Session Chair: Dr. Ntswaki Matlala</p> <p>Link:</p> <p>Breakaway Room: LG 15</p> <p>P20: How do Large Language Models change Knowledge Work? <i>Christoph Bierbrauer</i></p> <p>P17: Interlocking AI and Graduateness in South African workforce: Leveraging requisite skills development for the 21st Century Nicky Tjano & Nonceba Ntoyanto-Tyatyantsi</p> <p>P9: Generative Artificial Intelligence and New Tasks <i>Michael Vogelsang, Timm Eichenberg, Britta Rüschoff, Tom Staab</i></p> |
| | <p><i>Parallel Session F: Customer Relationship</i></p> <p>Session Chair: Dr. Dolapo Sule</p> <p>Link:</p> <p>Breakaway Room: LG 16</p> <p>P15: A Theoretical and Practical Perspective on Virtual Influencers <i>Maïke Hübner, Julia Thalmann & Helena Steinwegs</i></p> <p>P4: How Does Artificial Intelligence Chatbot Improve Satisfaction in Customer Service? A Study of AI Chatbot (Virtual) <i>Fakhri Baghirov, Ye Zhang & Ozlem Arzu Arzu</i></p> <p>P8: Virtual Influencers and their Perceived Credibility <i>Maïke Hübner, Julia Thalmann</i></p> |
| <p>13:45 – 14:15</p> | <p>Closing Remarks, establishing an AI and economics network Professors Tankiso Moloi & Professor Michael Vogelsang</p> |
| <p>14:15</p> | <p>LUNCH</p> <p>End of Conference</p> |

ALL TIMES ON THIS PROGRAMME ARE SOUTH AFRICAN TIMES