SACLA
SOUTHERN AFRICAN
COMPUTER LECTURERS' ASSOCIATION

2024 Gqeberha, South Africa: The 53rd Annual Conference

SACLA 2024 Conference Programme

The Boardwalk Casino and Entertainment World in Gqeberha

Wednesday, 17th July 2024		
12h00 to 17h00	Registration (Front Desk)	**Boardwalk Hotel Conference Centre Foyer**
14h00 to 17h00	HoD symposium (meeting of HoDs and subject groups)	**The Courtyard Hotel**
17h00 to 18h00	SACLA Executive Committee Meeting	**The Courtyard Hotel**
19h00 to 21h00	**COCKTAIL WELCOME FUNCTION** **Boardwalk Hotel**	

Thursday, 18th July 2024		
08h00 to 17h00	Registration (Front Desk) [Coffees on arrival]	
08h15 to 08h25	**Venue A: Welcome/Opening [ALL]**	
	Venue A: Session 1 **Session Chair: Prof Nicky Mostert**	**Venue B: Session 2** **Session Chair: Dr Tapiwa Gundu**
08h30 to 08h55	6 - Theresa Banda and Gwamaka Mwalemba **Implications of Incorporating Design Thinking in Information Systems Courses**	28 - Mark Brand, Jean Greyling and André Calitz **Inquiry into the Paradox of an ICT Skills Gap**
09h00 to 09h25	7 - Kwanele Mgadleni and Gwamaka Mwalemba **The Current State of Information Systems Education in South Africa: A Systematic Literature Review**	34 - Adriana Steyn, Funmi Adebesin and Nita Mennega. **Empowering Business Students for the Fourth Industrial Revolution: A Hands-On Pedagogical Approach**
09h30 to 09h55	22 - Ifeoluwapo Fashoro, Lee-Anne Macpherson and Yu-Qing Fang **Interactive E-learning Tool for an ERP module using Sage Evolution**	37 - Marie Hattingh, Lizette Weilbach, Riana Steyn, Funmi Adebesin, Nita Mennega, Deborah Oluwadele and Timothy Adeliyi. **Bridging the Gap: Towards a Hybrid Approach in Systems Analysis and Design Education**
10h00 to 10h25	**COFFEE BREAK**	
10h30 to 10h55	**Venue A: GUEST SPEAKER – BATSAMAYI – Cinga Nyangintsimbi (MD)**	
	Venue A: Session 3 **Session Chair: Prof Lynn Futcher**	**Venue B: Session 4** **Session Chair: Dr Kevin Kativu**
11h00 to 11h25	9 - Marisa Venter and Lizette De Wet **The Influence of Player Type on the Motivation of Students in a Gamified Programming Learning Environment**	17 - Andre Calitz and Margaret Cullen **The Development of a new Hospitality Management Information Systems module using ChatGPT**
11h30 to 11h55	10 - Pakiso Khomokhoana **Leveraging strategies used in teaching theoretical Informatics subjects to CSI and Business Students**	29 - Carolien van den Berg and Belinda Verster **Bridging Local Realities and Global Goals: Exploring Student-Led Sustainable-Smart**

		Innovation Projects in a Marginalised Community
12h00 to 12h25	16 - Phumezo Ntlatywa **Integrating Interdisciplinary Perspectives in an Information Security Classroom: A Strategy to Foster Collaboration Among the Students of Communication Networks, Software Development and Support Services**	49 - Dimitrius Keykaan **Towards Integrating ethics into computing curricula: An active learning and cognitive psychology approach**
12h30 to 13h25	**LUNCH BREAK**	
13h30 to 13h55	**Venue A: GUEST SPEAKER – IITPSA – Mr Tony Parry (CEO)**	
	Venue A: Session 5 **Session Chair: Prof Mariana Gerber**	**Venue B: Session 6** **Session Chair: Dr Sue Petratos**
14h00 to 14h25	11 - Imelda Smit **A Model towards enabling Tutors to fulfil a role in attenuating source code plagiarism**	12 - Rouxan Fouche and Liezel Nel. **Bridging the Digital Divide: Assessing the Impact of a Community-Focused Service-Learning Project**
14h30 to 14h55	19 - Lynn Futcher, Kerry-Lynn Thomson, Reinhardt A Botha, Noluxolo Gcaza, Tapiwa Gundu and Kevin Kativu. **Deconstructing Constructive Alignment: The Design of a Postgraduate Diploma in Cybersecurity**	45 - Janet Liebenberg **Pair programming and underrepresented groups in Information Technology**
15h00 to 15h25	25- Noluxolo Gcaza, Kevin Kativu, Tapiwa Gundu, Lynn Futcher, Kerry-Lynn Thomson and Reinhardt Botha. **Reflections from the Inaugural Year of the Postgraduate Diploma in Cybersecurity: Towards Continuous Improvement**	46 - Sithandwayinkosi Goba-Hlongwane, Ronel Callaghan and Jean Greyling **Preparing Foundation Phase teachers in KZN to teach coding**
15h30 to 15h55	**COFFEE BREAK**	
	Venue A: Session 7 **Session Chair: Prof Bertram Haskins**	**Venue B: Session 8** **Session Chair: Dr Ife Fashoro**
16h00 to 16h25	5 - Imelda Smit and Linda Du Plessis **Navigating the Integration of Chatbots in Education: A Case Study on Source Code Plagiarism**	14 - Gontlafetse Mosweunyane, Edwin Thuma, Onalenna Makhura and Nkwebi Motlogelwa **Investigating Automatic Grading of SQL Queries using String Similarity Measures**
16h30 to 16h55	40 - Andre Calitz and Margaret Cullen **ChatGPT Performance on CS and IS Course Examinations**	39 - Tiou Ramabu, Ian Sanders and Marthie Schoeman. **A SOLO-adapted evaluation methodology for the generation of learning transitions on the algorithms**
19h00 to 23h00	**GALA DINNER** **Boardwalk Conference Centre**	

Friday, 19th July 2024	
08h00 to 12h30	Registration (Front Desk) [Coffees on arrival]
08h30 to 08h55	Venue A: GUEST SPEAKER - WiRK/DSA - Mr Nico Claassen (COO)
	Venue A: Session 9 **Session Chair: Prof Kerry-Lynn Thomson**	**Venue B: Session 10** **Session Chair: Mrs Janine Nel**
09h00 to 09h25	35- Pakiso Khomokhoana and Tlholohelo Nkalai **Cognitive processes used by Students in understanding Aggregation and Composition in UML: A Case of First-year BCIS Students**	44 - Rudi Serfontein, Henri Van Rensburg, Lynette Drevin and Gunther Drevin. **Reflective Analysis of the Impact of an Induction Programme for Honours in Computer Science and Information Technology Students**
09h30 to 09h55	36 - Marli Swanepoel, Machdel Matthee, Marié Hattingh and Lizette Weilbach **Enhancing UX in Learning Management Systems: Leveraging Design Thinking for the Development of Chatbot Design Principles**	53 - Xolile Zepe and Sue Petratos **Digital Literacy: Challenges and Opportunities**
10h00 to 10h25	54 - Fezile Matsebula and Ernest Mnkandla **Exploring Student Expectations of Learning Analytics in South African Higher Education**	33 - Imelda Smit, Lynette Barnard and Dieter Vogts. **Elements to Address in a Computing Research Project Honours Course Module: A Tale of Two Universities**
10h30 to 10h55	COFFEE BREAK	
	Venue A: Session 11 **Session Chair: Mr Vuyo Mdunyelwa**	**Venue B: Session 12** **Session Chair: Prof Dieter Vogts**
11h00 to 11h25	8 - Nomabhongo Masana **Usage of a Learning Management System for Assessments in Higher Education: A Scholarly Personal Narrative**	38 - Michael de Jager, Nicky Mostert, Bertram Haskins and Cheryl Schroder **Balancing Acts: Reflecting on the Workload and Academic Burnout in Software Development Project-Based Learning Modules vs. Traditional Modules**
11h30 to 11h55		30 - Nombuso Sibeko, Ijeoma Noella Ezeji, Chinaza Uleanya and Matthew Adigun **Reflections on Leading and Managing Computer Science Final Year Projects in a South African Rural University using Gibb's Framework**
12h00 to 13h00	Venue A: SACLA 2024 AGM (All delegates to attend)	
13h00 to 13h15	CLOSING and THANKS	
13h15 to 14h15	LUNCH BREAK	