



## South African Institute for Computer Scientists and Information Technologists (SAICSIT) 2021 Conference Programme

Hosted virtually by:

*School of Computing, University of South Africa*

The theme of the conference: “**Reimagining the Interconnected World**”.

### **SAICSIT 2021 Keynote Speakers**

**Professor Steven Furnell**

**University of Nottingham**



**Day 1 Keynote Speaker**

#### ***Communicating Cybersecurity: Consistently inconsistent?***

The talk will focus on the need for cybersecurity awareness for end users (in workplace and personal contexts), and the varying effectiveness of what is on offer (in terms of both the attempts to support them at all, and then the consistency of the advice being offered).

#### **Short bio:**

Steven Furnell is professor of cyber security at the University of Nottingham. He is also an Honorary Professor with Nelson Mandela University (South Africa) and an Adjunct Professor with Edith Cowan University (Western Australia). His research interests include security awareness and culture, usability of security and privacy, and technologies for user authentication and intrusion detection. He has authored over 340 papers in refereed international journals and conference proceedings, as well as numerous books and book chapters. Professor Furnell is the current Chair of Technical Committee 11 (security and privacy) within the International Federation for Information Processing, and a board member of the Chartered Institute of Information Security.

**Professor Judy van Biljon**

**University of South Africa**



**Day 2 Keynote Speaker**

***SAICSIT Conferences: yesterday, today, and tomorrow***

**Short bio:**

Judy van Biljon holds the National Research Foundation's Chair in Information and Communication for Development (ICT4D) hosted by the School of Computing at the University of South Africa (Unisa). She holds a Ph.D. in Computer Science from Unisa, and an M.Ed. from the North-West University. She has contributed to the body of academic knowledge by publishing on Human-Computer Interaction evaluation and design for marginalised groups, technology adoption, and sustainability in digital learning for resource-constrained environments. She promotes research capacity building through initiatives such as the establishment of the Southern African Chapter of the International Network for Postgraduate Students in ICT4D (IPID). Currently she serves as Associate Editor of Information Technology for Development and as a Senior Editor of the Electronic Journal of Information Systems in Developing Countries.

## **SAICSIT CONFERENCE DAY 1: Tuesday 14 September 2021**

**Day 1 registration link: <https://tinyurl.com/3zrxszj5>**

<b>Time</b>	<b>Event</b>	<b>Speaker</b>
12:30 – 12:40	Welcome & Introduction	Prof S Singh
12:40 – 13:00	Opening remarks	Session chair: Prof S Singh
13:00 – 13:40	Keynote address 1: <b><i>Communicating Cybersecurity: Consistently inconsistent?</i></b>	Prof Steven Furnell (University of Nottingham)
13:40 – 13:50	Keynote address 1 Q&A	Session chair: Prof S Singh
<b>13:50 – 14:00</b>	<b>BREAK</b>	

<b>14:00 – 16:00</b>	<b>Paper session 1</b>	<b>Session chair: Prof B Tait</b>
14:00 – 14:30	<i>Estimating Student's Learning Affect: An Approach Based on the Recognition of Facial Emotion Expressions</i>	Asaju Bukola and Hima Vadapalli
14:30 – 15:00	<i>Supporting CS Trainee Teachers with Game Authoring Tools</i>	Jecton Anyango and Hussein Suleman
15:00 – 15:30	<i>Determining Human Hand Performance with the Oculus Quest in Virtual Reality using Fitts's Law</i>	Kiren Padayachee, Ken Nixon and Stephen Levitt
<b>15:30 – 15:45</b>	<b>BREAK</b>	
15:45 – 16:30	Knowledge Café: SAICSIT The Next Step	Facilitator: Prof S Singh
16:30 – 17:00	Networking opportunities	

## SAICSIT CONFERENCE DAY 2: Wednesday 15 September 2021

Day 2 registration link: <https://tinyurl.com/mvtsxj8e>

Time	Event	Speaker
12:00 – 14:00	SAICSIT Council meeting	
<b>14:00 – 14:15</b>	<b>BREAK</b>	
14:15 – 14:20	Introduction to Keynote 2	Session chair: Dr M Mujinga
14:20 – 14:40	Keynote address 2: <b>SAICSIT Conferences: yesterday, today, and tomorrow</b>	Prof Judy van Biljon (University of South Africa)
14:40 – 14:50	Keynote address 2 Q&A	Session chair: Dr M Mujinga
<b>14:50 – 15:00</b>	<b>BREAK</b>	
<b>15:00 – 16:00</b>	<b>Paper session 2</b>	<b>Session chair: Prof B Chimbo</b>
15:00 – 15:30	<i>Barriers to Collaboration in Big Data Analytics Work in Organizations</i>	Mpumelelo Dhlamini, Irwin Brown and Grant Oosterwyk
15:30 – 16:00	<i>Quality Impact of Accommodating Customer Requirements Through Plug-ins and Configuration Files</i>	Geoffrey Lydall and Stephen Levitt
16:00 – 16:15	Summary of conference	Prof S Singh
16:15 – 16:20	Hand-over to 2022 SAICSIT conference organisers and conference closure	Prof S Singh Dr M Mujinga