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The African Journal of Information and Communication (AJIC)¹

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Call for Article Submissions:

The African Journal of Information and Communication (AJIC)

Issue 24: Thematic Issue: Perspectives in Cybersecurity

Important dates:

Deadline for abstract submissions for consideration: **15 February 2019**

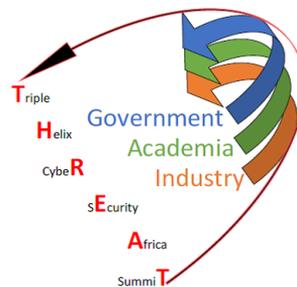
Submission of conference paper for review: **20 April 2019**

Corresponding Editor:

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Professor Manoj Maharaj, University of KwaZulu-Natal



The THREAT 2019 Summit is a first-of-its-kind collaboration in Africa that brings together cybersecurity expertise from government, academia and industry for a high-powered series of discussions, workshops and networking opportunities. It presents a unique opportunity for researchers, industry professionals and government leaders to share ideas and best practice towards enhancing Africa's cybersecurity posture. The summit will be held over two days in June

¹ The African Journal of Information and Communication (AJIC) is published by the LINK Centre as a forum for research, scholarship and academic debate within the broad ICT sector across the continent of Africa. It is accredited by the Department of Higher Education and Training (DHET). The African Journal of Information and Communication is licensed under a Creative Commons Attribution 4.0 Licence.

2019 and will comprise six plenary sessions in which perspectives from cybersecurity researchers, professionals and government will be shared.

All papers accepted for the summit will appear in the conference proceedings, with selected full conference papers being reviewed for consideration for the African Journal of Information and Communication (AJIC). This thematic issue of the *African Journal of Information and Communication (AJIC)* will publish articles presenting original research in the interdisciplinary cyber security research domain, as well as other value-adding contributions, such as case studies.

Research papers, extended abstracts, works in progress, industry and government case studies, and articles that fall into the themes identified for the THREAT 2019 Summit are hereby invited.

THREAT 2019 Summit Themes

Cybersecurity and Privacy

Legislation relating to the protection of personal information and data privacy exist or are in development in many countries. In South Africa, for example, the passing of the POPI Act and the imminent promulgation of the Cybercrime and Cybersecurity Bill provides the legislative framework for the protection of cyberspace in South Africa. Additionally, South Africa's National Cybersecurity Policy Framework (NCPF) places obligations on sectors to create a collective capability, envisaged as sector Computer Security Incident Response Teams (CSIRTs). The operationalisation of these national and sector CSIRTs are at the coal face of cybersecurity. While CSIRTs are the accepted strategy for South Africa to address cybersecurity, many countries approach this differently. These methodologies are effective to different degrees. In this theme, these strategies and their effectiveness will be interrogated with a view to understanding their role in regulating public discourse and business behaviour.

Cybersecurity skills, training and awareness

It is internationally acknowledged that end-user security awareness is a critical factor in ensuring an acceptable cybersecurity posture for organisations. The rapid expansion of access to high-speed always-on networks to an expanding base of unskilled users creates a serious problem for cybersecurity practitioners. Massive training and skills development and awareness initiatives are essential to address this problem.

Legal and legislative frameworks to combat international cybercrime

The borderless nature of cybercrime makes prosecuting cybercriminals extremely difficult. There continue to be attempts at international treaties to police cyberspace, but with limited success. A discussion of international cybercrime incidents in relation to their prosecution will be discussed in this theme.

Social impact of cybersecurity

Today cyber threats affect the fabric of social life, as trust, confidentiality and privacy can be trampled upon as a result of cyber-attacks. The way it affects societies, cultures, religions and demographics may differ significantly in scope and severity.

Emerging technologies, blockchain, cryptography, fintech, quantum computing, AI, threat hunting

As technology evolves so does the sophistication of cyber attacks. Cybersecurity solutions quickly become ineffective as the threat landscape evolves. Proactive cyberdefence utilising AI represents potential solutions to the evolving cyberthreat landscape. Technological advancements driven by the IoT and 4IR bring significant benefits for businesses and consumers. However, these digital

disruptions place pressure on cybersecurity solutions as cybercriminals exploit emerging technologies. Agile cybersecurity solutions are necessary.

Digital forensics, computer and network forensics

The increasing integration of technology into the everyday lives of consumers presents prime opportunities for criminals. It is not clear whether consumers understand the security risks posed by personal and integrated computer devices.

Important Dates	
Extended Abstract Submission	15 February 2018
Notification of acceptance for full paper or poster presentation	15 March 2019
Final Paper Submission	20 April 2019

Key submission guidelines

Original submissions (6000 words for full research-based conference papers; 3000 words for case studies and other types of contributions listed above) will be subject to double-blind peer review and must meet the publication standards and editorial requirements of *The African Journal of Information and Communication*. Authors are expected to implement appropriate revisions and extensions to the original submission, including revisions advised by the peer reviewers. Extended abstracts of the accepted papers for the AJIC will also be included in the peer reviewed conference proceedings. Please see the detailed submission guidelines available at <http://www.wits.ac.za/linkcentre/ajic/submission-guidelines/>

Referencing: The journal follows APA reference style. Authors can familiarise themselves with APA style at www.apastyle.org noting, in particular, the online tutorial and blog.

About the Summit

The THREAT 2019 Summit is a partnership between the Cybersecurity Institute Africa (Pty) Ltd, and the Wits University's LINK Centre as the academic partner.

Day One		Day Two	
SESSION ONE: <i>Cybersecurity and Privacy</i>		SESSION ONE: <i>Social impact of cybersecurity</i>	
9:00-9:20	Keynote Lecture	9:00-9:20	Keynote Lecture
9:20-9:30	Sponsor Message	9:20-9:30	Sponsor Message
9:30 – 11:00	Research papers and panel discussion	9:30-9:40	Research papers and panel discussion
SESSION TWO: <i>Legal and legislative frameworks to Combat International Cybercrime</i>		SESSION TWO: <i>Emerging technologies, Blockchain, Cryptography, Fintech, Quantum Computing, AI, Threat Hunting</i>	
11:30-11:50	Keynote Lecture	11:30-11:50	Keynote Lecture
11:50-12:00	Sponsor Message	11:50-12:00	Sponsor Message
12:00-12:10	Research papers and panel discussion	12:00-12:10	Research papers and panel discussion
SESSION THREE: <i>Cybersecurity Skills, Training and Awareness</i>		SESSION THREE: <i>Digital Forensics, Computer and Network forensics</i>	
14:30-14:50	Keynote Lecture	14:30-14:50	Keynote Lecture
14:50-15:00	Sponsor Message	14:50-15:00	Sponsor Message
15:00-15:10	Research papers and panel discussion	15:00-15:10	Research papers and panel discussion
16:30-20:00	Cocktail Reception	16:30-17:30	Closing Remarks and awards

Summit Chairperson

Prof. Manoj Maharaj

Academic Conference Chairperson

Dr. Luci Abrahams

Editorial Committee

Prof M. Maharaj, Dr L. Abrahams, Dr K. Pillay, ...

Steering Committee

Prof. M. Maharaj, Dr L. Abrahams. Dr. K. Pillay

Registration Fees		
Early registration Discount Fee	Before 20 February 2019	ZAR 5 500
Normal Registration	Before 31 April 2019	ZAR 6 000
Late Registration	Before 30 May 2019	ZAR 6 500