

Call for Papers

NEMISA (becoming iNeSI)

Digital Re-imagination Colloquium 2018

Conference title	Digital Re-imagination Colloquium 2018
Sub-title	Preparing South Africa for a Digital Future through e-Skills
Host(s)	NEMISA (becoming iNeSI)
Dates	13-15 March 2018 (13 March – Colloquium, 14-15 March -Summit)
Venue	Mpumalanga

1. Background

We are at the cusp of what has been labelled the 4th Industrial Revolution, an age of “cyber-physical systems” where a fusion of technologies with natural objects blurs the lines between the physical, digital and biological spheres. Increasingly, we see a connectedness of things multiplied by advances in fields such as artificial intelligence, robotics, the Internet of Things (IoT), autonomous vehicles, 3-D printing, nanotechnology, biotechnology, materials science, energy storage, and quantum computing (Schwab, 2017).

NEMISA (becoming iNeSI) has a mandate to develop capacity in South Africa to ensure that South Africans have the necessary e-skills (including broadcasting) to participate in a digital economy that is driven by rapidly advancing technologies.

A part of the mandate is to establish an innovative research network focusing on e-skills with links to public and / or private university networks locally and internationally. The aim of the network is to “provide the evidence-based basis, through research and other available means, for decisions on how to innovatively address the opportunities and systemic challenges in achieving e-skills capacity in South Africa”. We seek solutions that are application oriented and make a tangible social and economic difference.

The Digital Re-imagination Colloquium 2018 aims to establish an innovative research network through providing a platform for government, academia, industry, education and civil society to share research, data and trends that will contribute to refining the mandate to develop the necessary e-skills capacity of South Africa.

The Colloquium will officially launch the NEMISA Knowledge for Innovation (K4I) initiative and will be structured as a one-day conference where speakers are invited to submit their research or practitioner papers for consideration for inclusion in the programme. There will also be plenary sessions and guest speakers to provide additional opportunities for stakeholders to share insights to be published in a colloquium proceeding.

2. Call for papers

We invite you to submit your research and case studies to the Digital Re-imagination Colloquium 2018 which will be hosted by NEMISA. The colloquium aims to bring together e-skills practitioners, academics and other stakeholders under the umbrella theme of **“Preparing South Africa for a Digital Future through e-Skills”**.

a. Background and focus of the Colloquium

The vision of an e-skilled and empowered digital citizenry in South Africa is a means to ensuring social and economic readiness for the digital future. We consider that prepared citizens are better equipped to take advantage of digital entrepreneurship and economic opportunities such as those brought about through radical economic transformation.

New ICT solutions such as those seen in shared digital platforms can similarly result in economies of scale in marginalised communities. Case studies and models that portray the NEMISA collaborative ethos between government, industry and other sectors to partner with rural communities are particularly encouraged.

b. Colloquium tracks

This colloquium invites research and case study submissions which explore e-skills from a variety of viewpoints, institutional, socio-cultural and disciplinary contexts. The following tracks are available at the Colloquium:

	Track	Potential topics	Track Chair (s)
1	Public sector and policy implications of a digital future through e-skills	Social Media and E-government Open data Government with Government (GwG) Government with Employee (GwE) Government with Business (GwB) Government with Citizen (GwC) Citizen with Citizen (CwC)	Dr Colin Thakur Durban University of Technology
2	Digital citizenry	Digital inclusion in society. Usage and perceived benefits of ICTs e-Inclusion strategy Women and Youth in ICT ICT solutions that have brought about positive social and economic transformation The role of government in transforming society The drivers of inclusion and social innovation using ICT The legal and unintended effects resulting from the dark-side of being digital	Dr Leona Craffert University of the Western Cape
3	Knowledge-based economy and e-social astuteness	<ul style="list-style-type: none"> Knowledge for the 4th Industrial Revolution. For example, Internet-4-all, Internet of Things, Cyber-security... etc E-skills 	Ms Antoinette Lombard Vaal University of Technology

	Track	Potential topics	Track Chair (s)
		<ul style="list-style-type: none"> • Workforce mobility • New models and case studies for access to ICT (internet connectivity, devices including mobile phones, physical centres... etc.) • New models and case studies for access to ICT Services (e.g. e-learning, m-learning, apps & software, hardware-e.g. RFID sensors, digital media) • ICT skills transfer to local communities 	
4	ICT for rural development	<ul style="list-style-type: none"> • Penetration of quality ICT and national Services • Ownership of ICT and Internet infrastructure in rural communities • Sustainable ecosystems for ICT investment in rural areas (the creation of decent work and sustainable livelihoods; education; health; and rural development, food security and land reform) • Advocacy and awareness models of new opportunities using ICT and e-skills • ICT models that promote direct transactions between business and rural suppliers • ICT models that allow open access to markets and land usage 	Ms Lorna van der Merwe Walter Sisulu University
5	Connected health	<ul style="list-style-type: none"> • Advocacy and awareness of health content using e-skills. For example, the burden of non-communicable diseases • Necessary capacity to upskill health practitioners to utilise new ICT applications for the health sector. • New models and case studies to bring about a healthier citizen to function in a digital era • The health disorders resulting from the dark-side of being an e-astute digital citizen 	Dr Farivar Rahimi University of Limpopo
6	E-Agriculture and e-tourism (e-Agro Tourism)	<ul style="list-style-type: none"> • The e-skills necessary for creating sustainable ecosystems to bridge agriculture suppliers and agro-tourists. • New ICT models and case studies to promote job opportunities in the tourism sector for sustainable tourism. • Agricultural services, technology dissemination, information and communication delivered or enhanced through the internet of things (IoT) 	Prof Mpho Chaka North West University
7	Creative and new media industries	<ul style="list-style-type: none"> • The application of ICTs in the creative and new media industries. 	Dr Kennedy C. Chinyowa Tshwane University of Technology

	Track	Potential topics	Track Chair (s)
		<ul style="list-style-type: none"> New sustainable ICT models and case studies for community broadcasting 	
8	SME and entrepreneurship development	<ul style="list-style-type: none"> New ICT models and case studies to support small enterprise development The role of TVET colleges in the development of e-skills for entrepreneurship. 	Prof Tembisa Ngqondi University of Mpumalanga

3. Important dates:

- **Publish and distribute the Call for Papers:** 10 January 2018
- **Paper submissions deadline:** 28 February 2018
- **Reviewer comments distributed:** 5 March 2018
- **Updated paper submissions due:** 10 March 2018
- **Colloquium date:** 13 March 2018

4. Submission guidelines

We anticipate four different genres of papers:

- Full papers reflecting on completed research – should not exceed 14 pages including references.
- Short papers reporting on work in progress or practitioner papers – should not exceed 6 pages including references.
- Case studies – should not exceed 6 pages including references and exhibits.
- Abstracts – should not exceed 3 pages including references.

Submit papers using the following link: <https://easychair.org/conferences/?conf=eskills2018>. Full papers to be submitted should have completed analyses and documentation of results. Papers should be submitted as a '.pdf' or '.docx' file using the outlined **Colloquium template**.

The Colloquium committee has established a maximum of 2 papers per author (including co-authored papers). Any submissions beyond this limit by a given author will be eliminated from the review process.

Author(s)' name(s) should not appear in the body of the paper and the abstract. References to institutions, sponsors, and unpublished/published works should be eliminated if these references will identify any author.

English is the language of the colloquium and of all submissions. Any submission that violates the above guidelines will be eliminated from the review process.

5. Publication

Accepted papers will be published as part of the Colloquium Proceedings under the following ISBN:

978-0-6399275-0-3 Digital Re-imagination Colloquium 2018

6. Digital Re-imagination Colloquium 2018 Organising Committee

Colloquium Chairs

- Prof. Hossana Twinomurinzi – UNISA ICT4D Flagship
- Dr. Tendani Mawela – UNISA ICT4D Flagship

Colloquium Organising Chair

- Mrs. Kanye Rampa – UNISA ICT4D Flagship
- Ms. Fumane Diseko-Biagini – NEMISA

Colloquium Programme Committee

The programme committee comprises the following:

Name	Institution
Ms Fumane Diseko-Biagini	NEMISA/iNesI
Prof Mpho Chaka	North West University
Dr Farivar Rahimi	University of Limpopo
Ms Lorna van der Merwe	Walter Sisulu University
Ms Antoinette Lombard	Vaal University of Technology
Dr Leona Craffert	University of the Western Cape
Dr Colin Thakur	Durban University of Technology
Dr Kennedy C. Chinyowa	Tshwane University of Technology
Prof Tembisa Ngqondi	University of Mpumalanga
Mr Zweli Masilela	DTPS

Please feel free to contact the Colloquium Organising Chair with any queries on: rampam@unisa.ac.za

Regards,

Futures 2018 Colloquium Chairs

7. References

Schwab, K. (2017). *The fourth industrial revolution*. World Economic Forum. Switzerland.