Call for Papers and Summit Concept Note

NEMISA

SUMMIT AND
COLLOQUIUM

2022

The Future of Work and Digital Skills

CPUT Hotel School, Granger Bay, Cape Town
(subject to change depending on COVID-19)

IMPORTANT DATES AND INFORMATION

EVENT	DATES
Summit	**15-17 February 2022** (Tuesday to Thursday)
Colloquium	A synergistic and transdisciplinary engagement between academia, students, industry, civil society, organised labour (Unions) and government on the future of work, data science and digital skills.
Postgraduate symposium	
Website	https://4irdigitalskills.co.za/
Colloquium proceedings ISBN (DHET accredited)	ISBN: **978-0-620-94921-7** (print) **978-0-620-94922-4** (e-book)
Best papers from colloquium	Best papers will be published in the Interdisciplinary Journal of Information, Knowledge, and Management (IJIKM) Online ISSN: 1555-1237 Print ISSN: 1555-1229 (Scopus listed journal)

SUMMIT AND COLLOQUIUM CONCEPT NOTE

Where the 4IR caused a hollowing out of middle-income jobs (Frey & Osborne, 2017), COVID-19 exposed the digital gap even further as survival depended largely on digital infrastructure and connectivity. Almost overnight, organisations that had not invested in a digital strategy suddenly realised the need for such a strategy and the associated digital skills. For those who struggled to adapt, the effects have been exceptionally deep, while those who stepped up have reaped quite the reward.

There are no longer certainties about what the world will look like in a few years from now, but there are certain ways to anticipate the changes that are occurring and plan on how to continually adapt to an increasingly changing world. Certain jobs will soon be lost and will not come back; other new jobs will however be created. Using data science, and other predictive sciences, it is possible to anticipate, to the extent possible, the rate at which certain jobs will be replaced and new jobs be created in different industries.

The NEMISA 2022 Colloquium and Summit on "*The Future of Work and Digital Skills 2022*" seek to bring together government, international organisations, academia, industry, organised labour and civil society to deliberate on how these changes are occurring in South Africa, how fast they are occurring and what needs to change in order to prepare society for the changes. Some of the questions that the events will engage on include, but are not limited to:

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1. How can an individual know how long their skills will remain valuable?
2. How can dynamic career pathways be created so that individuals (and groups) can begin the upskilling and re-skilling journey of life-long and life-wide (change of industry) learning?
3. With the few and very expensive data scientists, how can we allow domain experts to participate better in the data science movement?
4. How can we learn to share the limited resources that are available, especially in the developing contexts?
5. What case studies can we adopt for such efforts?
6. How susceptible are jobs in each sector or industry to digitisation?
7. What are the new jobs that will be required in that sector?

1. NEMISA BACKGROUND

NEMISA has a mandate to develop capacity in South Africa to ensure that South Africans have the necessary digital skills (including broadcasting) to participate in the 4IR.

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

2. EVENT POSITIONING

The summit (usually industry-government focused) and the colloquium (academic focused) aim to establish an innovative and collaborative research network by providing a platform for government, academia, industry, education and civil society to share research, data and trends that will contribute to refining the NEMISA mandate to develop the necessary digital skills capacity of South Africa.

3. COLLOQUIUM CALL FOR PAPERS

We invite you to submit your full research papers, practitioner ideas, data, research and case studies to the summit and colloquium in the following tracks and topics:

a. The future of work in the 4IR
b. Re-skilling and up-skilling within the 4IR
c. Democratising data science
d. Microcredentials
e. Life-long and life-wide learning in the 4IR
f. The sharing economy
g. Digital skills in Artificial intelligence, Blockchain and other 4IR technologies

All research papers will be blind peer reviewed and will be published in a proceedings that is DHET accredited with ISBN numbers 978-0-620-94921-7 (print) and 978-0-620-94922-4 (e-book).

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4. COLLOQUIUM TO JOURNAL PAPER SUBMISSION CYCLE

The best research papers and case studies will be considered for publication in a Special Issue of Interdisciplinary Journal of Information, Knowledge, and Management (IJIKM) Online ISSN: 1555-1237 and Print ISSN: 1555-1229. IJIKM is a Scopus listed journal.

5. POSTGRADUATE SYMPOSIUM 2022

The postgraduate symposium is dedicated to Honours, Masters and Doctoral students focusing on the future of work, data science, digital skills, the 4IR and other related emerging disciplines to engage in intellectual and research discourse with supervisors, practitioners, and leading academics. There are two categories for presentations:

a. Poster Presentations
b. 15-minute Oral Presentations (include Questions and answers)

The symposium will integrate workshops on the following areas:

a. IPID Information Session
b. Research Design and Methodology
c. Research Agenda in the Future of Work and Data Science
d. Theory Development in IS Research
e. Thesis Report writing and Academic Writing.

Register and submit your poster on https://easychair.org/conferences/?conf=digitalskills2022. The registration cost is sponsored by NEMISA.

6. BEST PAPER AWARDS

The following awards will be presented:

- Best academic research paper
- Best practitioner paper
- Sponsored best paper by track (according to sponsorships)
- Best student paper (Postgraduate Symposium)

7. IMPORTANT DATES

Summit, Colloquium, and Postgraduate Symposium Call for Papers:	07 July 2021
Paper submissions deadline:	30 November 2021
Reviewer comments distributed:	15 December 2021
Updated paper submissions due	15 January 2022
Summit, Colloquium and Postgraduate symposium:	15-17 February 2022

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8. SUBMISSION GUIDELINES

You can download the paper template from here… (attached)

We anticipate four different genres of papers:

- Practitioner papers reflecting on industry experiences – should not exceed 6 pages
- Full academic papers reflecting completed research – should not exceed 14 pages including references (for publication in the proceedings)
- Short papers reporting on work in progress – 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.

Currently, submit papers on EasyChair https://easychair.org/conferences/?conf=digitalskills2022. Full papers to be submitted should have completed analyses and documentation of results. Papers should be submitted as a '.pdf' or '.docx' file.

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 does not conform to the above guidelines will be eliminated from the review process.

9. COMMITTEES

Summit Co-Chairs

- Prof Tembisa Ngqondi – Cape Peninsula University of Technology
- Prof Chris Addendorf – National Electronic Media Institute of South Africa

Colloquium Co-Chairs

- Prof Hossana Twinomurinzi – University of Johannesburg
- Prof Justine Daramola – Cape Peninsula University of Science and Technology
- Dr Tendani Mawela – University of Pretoria

Postgraduate symposium Co-Chairs

- Ms Nkosikhona Msweli – University of South Africa
- Ms Victoria Tau – National Electronic Media Institute of South Africa

- Ms Sibukele Gumbo – Walter Sisulu University
- Prof Izak van Zyl – Cape Peninsula University of Science and Technology

Programme Committee

The programme committee comprises the following:

Name	Institution
Ms Nkosikhona Msweli	University of South Africa
Ms Victoria Tau	NEMISA
Prof Hossana Twinomurinzi	University of Johannesburg
Prof Ephias Ruhode	Cape Peninsula University of Technology
Many more as partners come on board	

Organising Committee

The programme committee comprises the following:

Name	Institution
Ms Munira Allie	Cape Peninsula University of Technology
Ms Nkosikhona Msweli	University of South Africa
Ms Victoria Tau	NEMISA
Prof Hossana Twinomurinzi	University of Johannesburg
Prof Nic Theo	Cape Peninsula University of Technology
Many more as partners come on board	

10. CONTACT US

Please feel free to contact the Organising Chairs with any queries on: mswelnt@unisa.ac.za and / or victoriat@nemisa.co.za

NEMISA DigitalSkills2022 Organising Committee

11. References

Frey, C. B., & Osborne, M. A. (2017). The future of employment: How susceptible are jobs to computerisation? *Technological Forecasting and Social Change*, *114*, 254–280. https://doi.org/10.1016/j.techfore.2016.08.019

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