Knowledge for Innovation
digital skills research for South Africa

'Citizen Data Science for Business and Organisations' Workshop – 14 March 2019
hosted by Knowledge for Innovation (K4i), digital skills research for South Africa

Be part of the digital transformation in South African businesses. Make your input. Engage in dialogue.

Calling**…** business • industry • government, particularly within the DTI, DST and DTPS • HR strategists • digital transformation practitioners

What is a citizen data scientist? It's a role that analyses data, and then creates data and business models for organisations with the help of big data tools and technologies. Citizen data scientists don't necessarily need to be data science or business intelligence experts.

Reskilling employees and making organisations more productive: Dr Matt Mullarkey will be presenting on his experience in re-purposing the skills of a Fortune 100 US organisation with Citizen Data Science (CDS), and making the organisation more productive. This meant that the employees were not lost but rather re-skilled.

Key outcome of the workshop: This will be the structure of a Citizen Data Science course that is suited to organisations and government in South Africa. The workshop includes interactive sessions for defining what is relevant to South Africa.

Please note that places are limited. Admittance is on a first come-first serve basis.

Date:	14 March 2019
Time:	11:00 to 15:00
Venue:	Unisa IRENE conferencing Centre, Doornkloof 391-Jr, Centurion, 0062
Email RSVP:	Mrs. Helene Kruger-Franck on franchm@unisa.ac.za by 11 March 2019.
Online RSVP:	http://www.k4i.co.za/cds by 11 March 2019.
Registration fee:	Sponsored by NEMISA

		Agenda
10:30	11:00	Light snacks and registration
11:00	11:05	**Opening remarks** Prof H Twinomurinzi
11:05	12:30	**Citizen Data Science Case Example from Fortune 100 US organisation** Dr Matt Mullarkey
12:30	13:15	Lunch
13:15	14:15	**Facilitated discussion on the South African Organisational Sector** (How would Citizen Data Science work in South African organisations?) Dr Matt Mullarkey
14:15	14:20	Refreshments
14:20	15:30	**Draft Structure of a CDS Course for Executives / Citizens** Dr Matt Mullarkey
15:30		Closure

About us – Knowledge for Innovation (K4i), digital skills research for South Africa

Knowledge for Innovation (K4i) is a research unit which forms part of the digital skills agenda for South Africa. The research unit is based at Unisa, funded and coordinated through NEMISA, and ultimately falls under the Department of Telecommunications and Postal Services (DTPS). It is part of a larger multi-stakeholder network focused on collaboration. The aim is to develop appropriate digital skills in South Africa.

Beyond the national central office (NEMISA), the digital skills programme includes provincial CoLabs based at various universities. These universities include:
- e-Inclusion and social innovation / digital transformation in business (CoLab based at the University of the Western Cape)
- e-Government and effective service delivery (CoLab based at Durban University of Technology)
- ICT for rural development (CoLab based at Walter Sisulu University)
- Creative new media Industries (in-house training based at NEMISA, Gauteng)
- e-Health (CoLab based at the University of Limpopo)
- e-Literacy (CoLab based at the Vaal University of Technology)
- e-Agro-Tourism (CoLab based at the North-West University)
- Digital Integration and Cyber Security (CoLab based at the University of Mpumalanga)
- Internet of Things (CoLab based at Central University of Technology)

Each CoLab has a theme that aligns to national policies. K4i researches digital skills, coordinates research across the provinces, and organises an annual digital skills research conference, among other activities.

About Dr Matt Mullarkey

Dr Matt Mullarkey is the Director of the Doctor of Business Administration (DBA) programme for the University of South Florida (USF) Muma College of Business. He is also an Instructor in the Information Systems and Decision Sciences (ISDS) Department at USF.

Dr Mullarkey's areas of research include design science research and action research in the evaluation and creation of information systems, healthcare systems, social networking systems, and data science. He teaches using case-based discussions that engage Doctoral, MBA and MIS undergraduates in complex business decisions involving technology. His case study-based capstone courses emphasise critical thinking, business analysis, and the impact of information technology and systems on real-world, business decision-making.

Dr Mullarkey has more than 25 years of experience as a president, chief executive officer, chief operating officer, and senior vice president of Fortune 1000 and in start-up companies in the automotive, applied materials and medical device industries. He currently divides his time between teaching, research publication, and mergers and acquisitions investing activities. Dr Mullarkey was a corporate officer at two NYSE listed companies, a board member of three private equity-controlled companies, and board chair for a nationally affiliated non-profit.

Prior to joining the faculty at USF, Dr Mullarkey was a Managing Partner at professional services group Patina Solutions. He was instrumental in helping to grow Patina into an INC500 Fastest Growing Private companies in the US. Prior to Patina, Dr Mullarkey was COO at West Pharmaceutical Services, with responsibility for 45 facilities supplying FDA approved injectable drug delivery systems to big pharma globally. Before joining West, he was Chief Executive Officer of a $60 million applied materials group of companies, Impact Materials Group, that supplied the impact absorbing systems in US military helmets and led the discovery and market launch of a patented vehicle armouring system. Dr Mullarkey holds two patents for inventions related to applied materials applications.