

Water Security Driven by IR 4.0

Virtual Symposium

Day 3

Nexus of Water, Food Security, Policy and Strategic Invention

Thursday **27 Oct 2022**
10 AM – 13 PM

Main Topics

- Reservoir Level Management**
 State-of-the-art systems.
 By Rodney Glatt, N&Z Instrumentation & Control
- The food-energy-water nexus**
 Interconnections, interrelationships and trade-offs using IR 4.0 technologies. By Prof Nnamdi Nwulu, UJ
- Producing clean water**
 Simultaneously producing clean water and enhancing the environment. By Huy Ton That, Nereid SA
- Tilapia Aquaculture in SA**
 The water, land and energy footprint.
 By David Fincham, Aquaculture
- Protecting lives & environment**
 Protection through water, waste-water treatment & recycling plants. By Gourish Charavorty, Ionexchangesafic
- Sustainable Water Management**
 Community-based observation systems.
 By Prof Karl Rudolph, University of Witten, Germany
- The impact of WEF nexus**
 Measuring the social, economic and environmental impact of the water-energy-food nexus. By Dr Evans Muchesa, UJ

MEET OUR HOST



Michael Rudolph

Centre for Ecological Intelligence

Prof Michael Rudolph hails from the University of Johannesburg and is the Director of the Centre for Ecological Intelligence. He is an experienced director with a demonstrated history of working in the health wellness and food security industry. He is a strong professional with a Master's in Public and Environmental Health. He is skilled in Nonprofit Organisations, Food Security, Sustainable Development, Coaching, and Program Evaluation.

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