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ENERGY EFFICIENCY WORKSHOP - PANELISTS PROFILES

Addressing energy costs and availability for industry

ALEXANDER HAW

Group Sustainability Manager
Massmart

Alexander Haw currently holds the position of Group Sustainability Manager, Massmart and his role includes the compilation of the GRI, Carbon Disclosure Project (CDP) and Group Accountability Report, stakeholder engagement, environmental supplier advocacy, product packaging rationalization, operational waste management and recycling, operational energy efficiency consumption monitoring and target setting and eco-labeling and consumer advocacy.

In the past he was an Environmental Consultant at Ecosolutions. He holds a B.sc Hons in Ecology from the University of the Witwatersrand.

ALF HARTZENBURG

National Project Manager: SA Industrial Energy Efficiency Project
National Cleaner Production Centre, South Africa (NCPC-SA)

Alf Hartzenburg leads the NCPC-SA's South African Industrial Energy Efficiency Project, which launched in 2010 and was subsequently extended to 2019 based on the impressive outcomes in the original phase of the project.

He studied a BSc Civil Engineering and Project Management at the University of Cape Town and is a Certified Energy Manager (CEM) and Certified Measurement and Verification Professional (CMVP) with the Association of Energy Engineers. He holds diplomas in Business Administration and Financial Management from the Boston Management School.

Alfred is also a UNIDO certified expert and trainer in energy management systems implementation, steam systems, electric motor systems, fans systems and compressed air systems optimization. He has facilitated successful energy management systems implementation projects and ISO 50001 certification at industrial plants in South Africa since 2013. He serves as a member of the Energy Steering Committee (PS07) of the Provincial Government of the Western Cape and special advisor to the Parliamentary Portfolio Committee on Energy.

DEIDRE PENFOLD

Executive Director

Chemical and Allied Industries' Association (CAIA)

Deidre Penfold was born and educated in South Africa. She holds a BCom (Honours) degree in Economics and takes a keen interest in international and current affairs, focussing on community projects in her leisure time.

Currently serves as the Executive Director of the Chemical and Allied Industries' Association (CAIA), an organisation that represents the entire chemical value chain in South Africa. CAIA is also the custodian of Responsible Care, a voluntary international initiative.

Deidre also held the following executive positions: President and CEO of the South African Chamber of Commerce and Industry; Deputy President of Business Unity South Africa; Deputy President of Chambers of Commerce, South Africa; CEO of TEACH, South Africa; CEO of the Real Estate Business Owners of South Africa and Executive Director, Stakeholder Liaison, Services Skills Education Training Authority.

CRESCENT MUSHAWANA

Principal Engineer and a Research Group Leader for Energy Systems

Council for Scientific and Industrial Research (CSIR)

Crescent Mushwana holds a M.Eng. degree in electrical engineering from the University of the Witwatersrand. He is currently employed by the CSIR in the Energy Centre as a principal engineer and a research group leader for Energy Systems. His work and research interests are in energy systems planning and operation, with a special focus on research aimed at transitioning the energy system from the current fossil-fuel based system to the one supplied by renewable energy. Before joining the CSIR he gained about 16 years' experience in power system planning and design at Eskom, South Africa's electric power utility. He has served as a member of the SA Grid Code development team, and he is currently a member of the IEC TC88 (South Africa) working on IEC 61400 wind turbine standards. And he is a member of IEA's grid integration of variable renewables (GIVAR) Advisory Group. He is member of the following professional organizations South Africa Council for Electrical Engineers (SAIEE), Institute of electrical and electronic engineers (IEEE) and International Council on large electric systems (CIGRÉ).

NDIVHUHO RAPHULU

Director

National Cleaner Production Centre South Africa (NCPC-SA)

Ndivhuho Raphulu NCPC-SA Director heads up the efforts to promote the implementation of Resource Efficiency and Cleaner Production (RECP) methodologies and tools to assist industry to lower costs and the environmental impact through reduced energy, water and materials usage, and improved waste management. The Centre is a RECP programme of the Department of Trade and Industry, hosted by the Council for Scientific and Industrial Research.

He plays a leading role in various forums as well as on the continent and internationally. Currently, Raphulu is a member and former president of the African Roundtable on Sustainable Consumption and Production, and Chairman of the European Union and African Union Partnership on Sustainable Consumption and Production. He also co-chairs the Steering Committee of the African Eco-labelling Project, and serves on the Executive Committee of the Resource Efficiency and Cleaner Production Network, the worldwide United Nations Industrial Development Organization and United Nations Environment Programme RECP forum.

Raphulu holds a degree in Environmental Science and Development Studies.



SISA NJIKELANA

Chairperson of the Board of Directors
Mitochondria Energy Company

Sisa Njikelana is the Energy Patron for the NCPC-SA South African Industrial Energy Efficiency Project. He is currently a research fellow at the Centre of Competition, Regulation and Economic Development at the University of Johannesburg. A former Chairperson of SA Independent Power Producers Association.

A former Member of Parliament (2004 to 2014), he was also Chairperson of the Portfolio Committee on Energy, as well as active in various parliamentary committees. He was educated in the Eastern Cape and later at Ruskin College, Oxford University. He also holds a Certificate in Leadership Communication from Rhodes University. He was a Councillor for three years in the Eastern Metro Local Council in the Greater Johannesburg Metro Council from 1995 to 1998. As a councillor in the former Eastern Metropolitan Local Council, he worked intensively in the Alexandra Development Project from 1995 to 1998. As a member of the Executive Committee he was responsible for Urban Planning and Development. He is also an ANC anti-apartheid struggle veteran and sits as an executive and non-executive director on a number of boards.

VALERIE GEEN

Head of Energy
National Business Initiative

Valerie Geen has over ten years' experience playing a leadership role at the National Business Initiative in the advocacy and implementation of responses to Climate Change and Energy Efficiency in the private sector. Her experience includes thought leadership, programme management and brokering stakeholder engagement between the private sector and government. She played a pivotal role in strategy and implementation of the nationwide Private Sector Energy Efficiency Project.

In recognition of her recent accomplishments in Energy Efficiency, she was voted Energy patron of the year by the Southern African Association of Energy Efficiency (SAEE). She is currently an Executive Director at the SAEE and has recently joined UNIDO as their Project Expert in South Africa.



