

AUGUST 27, 2021

LIVE WEBINAR



Energy Efficiency Technologies CONFERENCE



Objective of the Conference

- To explore best practices for energy efficiency solutions
- To explore energy efficiency markets and business models
- To discuss energy efficiency financing models and practices
- To investigate and improve energy efficiency deployment
- To deliberate on energy efficiency technologies in synergy with IR4
- To benchmark best practices of energy efficiency performance indicators
- To deliberate hybridisation of energy efficiency systems with renewable energy
- To discuss the need for energy efficiency research innovation and developments
- To build awareness on socio-economic benefits of energy efficiency improvements



Speakers Include:

Marko Markov

Senior Sustainable Energy Finance Expert and Project Manager
Econoler, BULGARIA

Albert Williams

Energy Engineer
Honeyguide Energy Engineering

Pradeepkumar Keloth

Head Of Engineering, Electrification
Robert Bosch Engineering and Business Solutions, INDIA

Prof Caroline Hachem

Associate Professor, School of Architecture, Planning and Landscape,
University of Calgary, CANADA

Al-Shaimaa Hussien Shafey

Energy Specialist
Integral Rise, EGYPT

James Ndaaru

Electromechanical Expert
German Rail Engineering, ETHIOPIA

Kadri Nassiep

Executive Director: Energy and Climate Change
City of Cape Town

Mahdi Shakouri (Phd)

Industrial Energy Efficiency Advisor
EnMS, Tehran, IRAN

Rajesh Kumar

Professor: Department of Electrical Engineering
Malaviya National Institute of Technology, JAIPUR

Dr. Frans Manganye

Divisional Head
City of Tshwane Metropolitan Municipality

Kelvin Odhiambo

Director and Chief Technical Officer
Icopower Kenya Limited, KENYA

Prof SP Chowdhury

Tshwane University of Technology

Prof Gunnar Gruen

Head: Energy Efficiency and Indoor Climate department
Fraunhofer Institute for Building Physics IBP, GERMANY

Giscard Binini

Academic and Researcher
Independent Institute of Education (IIE) MSA

Dr Shashank Vyas

Manager: Innovation (Energy Storage)
SoftBank Energy, NEW DELHI

Prof LJ Grobler

Professor: Mechanical Engineering
North-West University (NWU)

Chris Mbori

CEO
Eenovators Limited, KENYA

Alaa Mohamed Salah

Energy Consultant
UNIDO, EGYPT



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Conference Background

Electrical energy is the backbone of human civilization. The cost of energy has been increasing in leaps and bounds. Besides, ever increasing environmental pollution is a global issue to tackle since it leads to worse climate change. Energy conservation has become imperative in addition with gradual increase in deployment of renewable energy generation. Energy consumers are keen to minimise energy bill without sacrificing its utility as well as business efficacy and products. There is a huge need for the deployment for energy efficiency technologies for thoughtful effective use of energy. There are Initiatives and Energy Development Strategies across Africa for the increase in energy access to the African people, improve livelihoods and to ensure environmental sustainability in line with sustainable development goals (SDGs). The Energy Division of the African Union (AU) is the custodian for necessary intervention in the implementation and accomplishment of these objectives.

International Energy Agency (IEA) is also embarking on global energy efficiency agenda as African success. The IEA is focusing on enhancing energy efficiency deployments through raising the level of support to stakeholders and policy makers, as well as by encouraging Governments for stronger policy action in collaboration with the African Union (AU). African energy Commission (AFEC), an organ of the AU, is active in collecting energy data statistics from all AU Member countries with the help of the African Energy Information Systems (AEIS). Global Commission for Urgent Action on Energy Efficiency is also active for further engagement in implementing universal access to reliable, affordable, and sustainable energy by exploring energy challenges and opportunities across Africa. It is apparently clear that the aforesaid endeavour and experience of AFREC in energy data collection, statistics management and capacity building will lead to further encouragement to coordinate all stakeholder entities across the globe to support execution of increased energy security for expedited clean energy transition in Africa.

Vukani Communications in collaboration with S5 Enterprises are keen in partnering with this developments for improvised energy efficiency solutions with a competitive edge. Thus we seek to provide platforms by organizing highly sought after discussions around energy efficiency technologies in order to adapt current and future needs of minimising energy consumption and hence energy cost, maximising product outputs, and alleviating climate change. It should keep pace with Industry Revolutions for adapting efficient technologies to implement best cost-effective measures and practices in energy efficiency. This conference seeks to have wide range of in-depth R&D discussions and exploratory innovations from experts across the globe.

Topics of discussion (But not limited to)

- Energy efficiency technologies in industrial, commercial, public and domestic sectors
- Energy efficiency markets and business models
- Energy efficiency policies and programmes for implementation
- Research and innovation in energy efficiency services, products and technologies
- Socio-economic impacts of energy efficiency improvements
- Energy efficiency initiatives across the globe
- Financing energy efficiency improvements and investments
- Best practices for energy efficiency solutions
- Implementation of energy efficient buildings, processes, methods, appliances, equipment and installations,
- Energy efficiency in industry and transport
- Supplementing energy efficiency with embedded renewable energy generation
- Energy efficiency measures for performance improvement and cost reduction
- Benchmarking of energy efficiency performance indicators
- Awareness building on energy efficiency technologies, services and products

- Renewable energy organizations
- Manufacturers of energy efficient equipment for power generation
- Manufacturers of geothermal heat and ring compressors pumps
- Manufacturers of LED and charge controllers
- Manufacturers and suppliers of generators
- Media
- Municipalities
- Non-profit Organizations
- Non-Governmental Organizations
- Solar cells manufacturers
- Technology developers
- Trade associations
- Wind electric generator (WEG) manufacturers
- Wind farm owners
- Venture Capitalists, financial institutions etc.
- Environmental Groups
- Entrepreneurs
- Equipment Manufacturers
- Governments and High level decision makers
- Green Power Providers
- Hydro turbine manufacturers
- Insurance companies, surveyors, operations and maintenance providers
- International organizations
- Law Firms
- Plant managers
- Plant operators of biogas and wastewater treatment works
- Utilities
- Building Industry
- Township Planners and Developers
- Engineers
- Technologists
- Technicians
- Investors
- Organisations Involved In The Energy Efficiency Environment

Target Audience (But not limited to)

- Engineers
- Chief Operating Officers
- Chief Engineers- Energy Efficiency
- Environmental consultants
- Heads – Energy
- Energy conservationists
- Asset Improvement – Heads
- Asset Improvement – Leaders
- Asset improvement – Engineers
- Technology Improvement leaders
- Partners and Directors

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PROGRAMME

- 08:50** **OPENING BY CHAIRPERSON, Prof SP Daniel Chowdhury, Tshwane University of Technology**
- 09:00** **KEYNOTE PRESENTATION**
A strategic approach toward energy efficiency and energy management.
Professor LJ Grobler, Mechanical Engineering, North West University
- 09:30** **Energy Efficiency initiatives and technologies at the City of Tshwane Metropolitan Municipality**
Dr. Frans Manganye, Divisional Head, City of Tshwane Metropolitan Municipality, PRETORIA
- 10:00** **From Negawatts to Megawatts: Smart Automated Demand Response Paradigm**
Dr Shashank Vyas, Manager - Innovation (Energy Storage), SoftBank Energy, INDIA
- 10:25** **Various financing models and their significant roles in energy efficiency improvements**
Marko Markov, Senior Sustainable Energy Finance Expert and Project Manager, Econoler, BULGARIA
- 10:50** **BREAK**
- 10:55** **Benefits of Energy Efficiency Initiatives Casually Unnoticed: Why, When and How?**
Prof. SP Daniel Chowdhury, Electrical Engineering, Tshwane University of Technology
- 11:10** **Applying rules of thumb to identify and quantify energy efficiency measures in compressed air systems in industry.**
Albert Williams, Energy Engineer, Honeyguide Energy Engineering
- 11:35** **Energy Efficiency Measures in the Building Sector in Germany: towards a Net Zero Building Development.**
Prof Gunnar Gruen, Fraunhofer Institute for Building Physics IBP, GERMANY
- 12:00** **Energy efficiency initiatives across the globe.**
Alaa Mohamed Salah, Energy consultant, UNIDO, Cairo, EGYPT
- 12:25** **Energy Efficient Road Lighting - An African Case Study**
James Ndaaru, German Rail Engineering, Addis Ababa, ETHIOPIA
- 12:50** **BREAK**
- 12:55** **Energy Efficiency Financing Models in Kenya**
Chris Mbori, CEO Eenovators Limited, Nairobi, KENYA
- 13:20** **Benefits of Energy Efficiency & Renewable Energy in Industrial Sector**
Al-Shaimaa Hussien Shafey, Energy Specialist, Integral Rise, Cairo, EGYPT
- 13:45** **Industrial Energy Efficiency: The role of energy management systems toward decarbonisation.**
Mahdi Shakouri, Industrial Energy Efficiency Advisor, IRAN
- 14:10** **Peer-to- Peer trading practices towards increased energy utility**
Prof. Rajesh Kumar, Department of Electrical Engineering , Malaviya National Institute of Technology, Jaipur, INDIA
- 14:35** **BREAK**
- 14:40** **Industrial energy efficiency in South Africa**
Giscard Binini, Managing Director, Walikale Engineering Africa
- 15:05** **Energy Efficiency considerations in EV design**
Pradeep Kumar Keloth, Head of Engineering, Electrification, Robert Bosch Engineering and Business Solutions, INDIA
- 15:30** **Energy efficiency improvement in LV Networks by enhancing Voltage and Power Qualities: Case Studies in Kenya and Seychelles.**
Kelvin Odhiambo, Director and Chief Technical Officer, Icopower Kenya Limited, Nairobi, KENYA
- 15:55** **Towards energy resilient urban development: Mix of energy resources and their impact.**
Prof. Caroline Hachem, School of Architecture, Planning and Landscape, University of Calgary, CANADA
- 16:20** **Towards Net Zero Carbon status by 2030 for municipal buildings – The City of Cape Town approach.**
Kadri Nassiep, Executive Director: Energy, City of Cape Town
- 17:00** **CLOSING BY CHAIRPERSON, Prof SP Daniel Chowdhury, Tshwane University of Technology**



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Organised by



REGISTRATION FORM

To register, please complete form below or



Please indicate your choice of payment method

- Bank Transfer Credit Card
 Cash Deposit

Banking Details

Vukani Communication Consultancy (PTY)
 First National Bank
 Account No. 62584405867, Account Type : Cheque
 Branch Name : Randburg Square
 Branch Code: 261750

CONFERENCE FEE

R1 997 Per Delegate Excl. VAT

Conference fee above INCLUDES the following entitlements: Entrance to session

REGISTER NOW

Terms and Conditions

- The following terms and conditions will apply
- Vukani Communications reserves the right, due to circumstances beyond our control, to change speakers, conference content, date and venue.
 - The signed registration form is a binding contract.
 - No seats will be reserved unless Vukani Communications receives a signed registration form.

SUBSTITUTIONS:

- Delegate Substitution. Substitution is welcome at any time and do not incur any additional charges. Please notify Vukani Communications in writing of any such changes at least 3 days before the date of the event.
- Please note that the speakers and topics were confirmed at the time of publishing however circumstances beyond the control of the organizers may necessitate substitutions, alterations or cancellations of the speakers and/or topics.
- As such, Vukani Communications reserves the right to alter or modify the advertised speakers and/or topics if necessary. Any substitutions or alterations will be updated and sent to you as soon as possible.
- Delegate substitution must be made in writing 7 days before the start of the event.

CANCELLATION:

- By signing and returning the registration form, the authorising signatory on behalf of the stated company is subject to the following terms and conditions.
- Charge of 50% of the Registration Fees, plus R700 (+VAT) charge will be made for cancellations received in writing at least 14 working days prior to the event.
- For any cancellations less than 7 working days before the date of the event, the full fee will be payable and no refunds or credit notes will be given.

• If registered delegate does not cancel and fails to attend the summit, this will be treated as cancellation and no refund or credit will be issued

Participant 1:

Designation:

Company / Organisation:

Email:

Phone:

Participant 2:

Designation:

Company / Organisation:

Email:

Phone:

Participant 3:

Designation:

Company / Organisation:

Email:

Phone:

Postal Address:

Person dealing with accounts:

Country:

Company VAT No:

Email Address:

Signature:

Date :

By completing and signing this form, the signatory accepts the terms and conditions as stated on the registration form.

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