



# Energy

## Why International Standards are vital



**17 September 2009**

Cape Town International  
Convention Centre  
(CTICC), South Africa

# Energy

## Why International Standards are vital



**Venue:** Cape Town International Convention Centre (CTICC),  
South Africa

**17 September 2009**

Challenges related to energy are among the most serious facing the international community. The drastic need to change current habits of energy consumption which provoke climate change and the requirements to make more efficient use of energy and to develop renewable sources of energy are high on the global agenda.

Agreement on what needs doing in relation to energy challenges is relatively easy. How to meet these challenges is more difficult because, as often, "the devil is in the detail". And this is precisely where the ISO standards development system proves its worth.

Today's trends in world energy demand impose a sense of urgency, which explains the choice of energy as the subject for this ISO Open Session organized within the framework of the 2009 ISO General Assembly. There is a need both to act now with available solutions and to develop new solutions. In both cases, International Standards are part of the solution.

Technical standards are needed to define the detailed metrics that are indispensable for measuring carbon emissions reduction and energy efficiency. When such standards distil state-of-the-art expert knowledge and are based on international consensus, they provide the international community with practical tools for achieving objectives in the fields of climate change, energy efficiency and sustainable energy.

The Open Session comprises two panels. The first is dedicated to energy efficiency which includes the contribution of existing and future standards to energy management and energy use in industry. The latter is an issue that directly impacts on economic growth since industry makes up the majority of energy use today in both developed and developing countries, including emerging economies. The second panel explores the contribution that international standardization can make to renewable energy, with concrete examples drawn from geothermal, wind and solar energy, as well as the possibilities offered by electric cars and the challenges to their widespread deployment.

As in other areas, ISO works hand-in-hand with major players in this field such as the International Energy Agency (IEA), the International Electrotechnical Commission (IEC) and the World Energy Council (WEC). Two of them, IEA and IEC, will deliver the keynote speeches to this Open Session.

Each panel session will allow time for interaction between the panel's speakers and the audience.

# P R O G R A M M E

- 09:00 Opening  
*Mr. Bahle Sibisi*, Chairman, SABS Board  
*Dr. Alan Morrison*, ISO President
- 09:30 **Energy efficiency and renewable energy sources – A key to a better tomorrow**  
*Mr. Nobuo Tanaka*, Executive Director, International Energy Agency
- 09:45 Coffee / Tea break

## 10:15 **First panel** ***Energy efficiency***

**Moderator:** *Mrs. Carole Le Gall*, Director General, Scientific and Technical Centre for Buildings, France, and Co-Chair, ISO Strategic Advisory Group on Energy

### **Panelists:**

- **Measuring energy efficiency – If you cannot measure it, you cannot manage it**  
*Mr. Ananda Ram Bhaskar*, Head, Energy Conservation and Environmental Technology Units, National Environmental Agency, Singapore
- **Energy management – It needs a systems approach**  
*Mr. Wayne Perry*, Technical Director, Kaeser Compressors, USA
- **Climate change – How managing energy consumption can have a big impact**  
*Mr. Mohammed Valli Moosa*, Vice-Chair, WWF South Africa
- **Managing energy use in industry – What is possible?**  
*Mr. Dolf Gielen*, Chief, Energy Policy and Partnership Unit, UNIDO

## **Questions and answers with the audience**

- 12:15 Lunch

14:15 **Renewable energy – A step towards sustainability**

*Mr. Jacques Régis*, IEC President, and former Senior Executive, Hydro-Quebec, Canada

14:45 Coffee / Tea break

15:15 **Second panel**  
***Renewable energy sources***

**Moderator:** *Mr. Llewellyn van Wyk*, Architect, Council for Scientific and Industrial Research, South Africa

**Panelists:**

- **From the earth – Geothermal energy**  
*Mrs. Guðrun Rögnvaldardóttir*, Managing Director, Icelandic Standards
- **From the air – Wind energy**  
*Mr. Peter Hauge Madsen*, Head, Wind Energy Division, RisØ-DTU National Laboratory for Sustainable Energy, Denmark
- **From light – Solar heating**  
*Prof. Deo Prasad*, University of New South Wales, Sydney, Australia
- **From light – Solar thermodynamics**  
The DESERTEC initiative  
*Mr. Markus Reigl*, Head Corporate Standardization and Regulation, Siemens AG, Germany
- **Key challenges for the electric vehicle industry**  
*Mrs. Ziva Patir*, Vice-President Better Place\*, Global Standards, Regulation and Compliance, Israel

**Questions and answers with the audience**

16:45 Wrap up and closing remarks

17:00 Closure

\* World's leading electric vehicle services provider

---

**SABS**

---



**International Organization for Standardization**

Central Secretariat

1, ch. de la Voie-Creuse

Case Postale 56

CH-1211 Genève 20

Switzerland

Tel. +41 22 749 01 11

Fax +41 22 733 34 30

Web [www.iso.org](http://www.iso.org)