

# ICHT 2013

## **Third International Conference on Harnessing Technology:**

**Challenges & Opportunities  
in GCC States**

## **Alternative Energy**

**2<sup>nd</sup> – 3<sup>rd</sup> December, 2013**

**The Grand Hyatt Muscat Hotel  
Sultanate of Oman**

**Conference  
Brochure**

## Introduction

The Sultanate of Oman, one of the most beautiful, traditionally and culturally rich countries on the Arabian Peninsula, has grown economically with immense success over the past 40 years—a period of time under the visionary leadership of His Majesty Sultan Qaboos bin Said Al Said.

Oman is a country distinguished by its panoramic views, reflecting a stunning mixing between sea and landscape. With an area of 309,500 square Km, the country has over 1,700 Km of beautiful coastline, from 'Musandam' in the north to the Indian Ocean entrance in the south-western. The coastal plain in Oman is representing 3% of the total landmass and it is overlooking the Gulf of Oman and the Arabian Sea.

The Sultanate is deeply engaged on environmental issues and the country's authorities have shown a strong commitment to environment protection and preservation, following on the wish from His Majesty Sultan Qaboos bin Said al Said, to make the country a regional model on these major issues.

Caledonian College of Engineering (CCE) was established in Oman as the affiliate of Glasgow Caledonian University, UK, in 1996 contributing to socio-economic development of the Gulf regions and has become one of the most successful private colleges in the Sultanate. Internationally reputed for its engineering disciplines, CCE was made a satellite Centre of the UNESCO International Centre for Engineering Education (UICEE) in 2002.

The college has initiated research and development by establishing partnership and co-operation with major international research centres especially in the area of Renewable and alternative energy. CCE has strength and experience in arranging and hosting both regional and international conferences, making it well placed to organise this international conference on harnessing technology with a special focus on alternative energy.

The first international conference on harnessing technology was held on 12-13<sup>th</sup> of October 2008 and the second on 13-14<sup>th</sup> of February, 2011. Both these international conferences received an overwhelming response with participation of academicians, researchers, industries and other stakeholders who shared knowledge and experience to promote developing technology solutions for key issues in energy, environment and natural resources. The potential for organizing dedicated conferences in the area of alternative energy emerged out of the discussions during these conferences.

## Conference Objectives

The purpose of this conference is to focus on practical solutions for emerging sustainability issues in the energy sector through renewable and alternative energy includes, solar thermal, solar photovoltaic, wind, waste to energy, hydro, renewable heating and clean coal, open and closed loop geothermal heating/cooling systems.

## Conference Key Words:

Integrated green communities, energy-efficient buildings, energy audits and surveys alternative fuels, biodiesel, ethanol, hybrids, green batteries and more.



## Conference Themes

- Current status of alternative energy resources and their application in Oman and the region
- Energy demand and Energy efficiency
- Challenges and opportunities in harnessing alternative energy resources and technology
- Waste management and sustainability of technologies
- Environmental impact, economics and efficiency of alternative energy systems
- Solar, wind and waste to energy systems, technology and its applications
- Case studies on solar, wind and waste to energy systems
- Reliability and maintenance of solar, wind and waste to energy systems
- Integration of alternative energy systems (hybrid technologies)
- Alternative energy policy, planning, implementation and management
- New, innovative approaches and clean technologies
- Business opportunities in alternative energy technologies

# Committees

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## Conference Venue

The 3<sup>rd</sup> International Conference on Harnessing Technology (ICHT) 2013: Challenges & Opportunities in GCC States – Alternative Energy and Waste Conversion, will take place at The Grand Hyatt Muscat Hotel, Sultanate of Oman, over two days from 2<sup>nd</sup> to 3<sup>rd</sup> December 2013.

## Target Audience

Energy company strategists, project developers, renewable and alternative energy associations, building architects, engineers, entrepreneurs, government and regulatory bodies, environmental organisations, energy technology innovators, educationists, researchers and students.

## Keynote Speakers

- HE Mohammed Al Mahrouqi  
*Chairman, Public Authority for Electricity and Water, Oman*

- Mr John Cunneen  
*Executive Director - Authority for Electricity Regulation, Oman*
- Dr Mustapha Taoumi  
*Regional Programme Officer (MENA) - IRENA, Abu Dhabi, UAE*
- Prof Chem Nayar  
*Regen Group Pty Ltd, Australia*

## Important Dates

- Abstract Submission Deadline: August 15<sup>th</sup>, 2013
- Notification of Abstract Acceptance: September 10<sup>th</sup>, 2013
- Full Paper Submission Deadline: October 20<sup>th</sup>, 2013

Selected papers will be published in a special edition of the Caledonian Journal of Engineering.

## Sponsor's Profile



Platinum Sponsor

The Research Council is the Sultanate Oman Government Vision to Create an innovation ecology that is responsive to local needs and international trends, fosters social harmony, and leads to creativity and excellence.



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Galfar Engineering & Contracting SAOG is one of the largest, multi-disciplined engineering, contracting and construction company in the Sultanate of Oman. Galfar is one of the largest construction companies in the Middle East.



Gold Sponsor

The Sultanate Authority for Electricity Regulation ("the Authority") is the Authority established by Article (19) of the law for the regulation and privatisation of the electricity and related water sector ("the Sector Law").



Silver Sponsor

Bahwan Engineering Company is one of Oman's foremost business houses. The Group's unflagging penchant for evolution has helped it emerge as one of the largest engineering construction groups in Oman. From a larger perspective, it has firmly placed the Sultanate in the global arena.



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Oman Oil Company S.A.O.C. (OOC) is a commercial company wholly owned by the Government of the Sultanate of Oman. The Company is focused on the development of oil and gas-based industries and other energy and energy related projects in partnership with international industry players capturing the value chain in the oil and gas sector.

### For further information

#### Caledonian College of Engineering

Conference & Events Coordinator  
PO Box 2322, CPO - 111  
Sultanate of Oman  
Ph (968) 24 536 165 / Ext. 388  
Fx (968) 24 535 675  
Mobile: (968) 95 496924  
icht@caledonian.edu.om  
www.cce.edu.om  
www.icht-oman.com.om

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