

# Day 1 - Conference Program June 16, 2010

Location: [Ballroom, The Yas Hotel](#)

8:00 am: Registration and Welcome Coffee

## Morning Session

9:00 am – 12:30 pm

Chairman: [Dr. Dieter Fuchs](#), Fraunhofer ME

[Dr. Ashraf Faisal Hegazy](#) The Art and Science of Daylighting  
ALDAR Properties

[Firoz Badar](#) The Yas Hotel Gridshell - an outdoor LED  
RDK International lighting reality

[Gareth Jackson](#) The banning of inefficient lighting  
Osram equipment - Recent and upcoming changes  
in European and worldwide lighting  
legislations and their implications for the  
industry

### Coffee Break

[Agnes Koltay](#) Integrating external lighting into building  
Ramboll facades

[Greg Mueller](#) The Future of Solid State Illumination  
Ruud Lighting Inc.

[Jitender Khurana](#) Biological effects of light on humans  
Philips

## Afternoon Session

1:45 pm – 4:30 pm

Chairman: [Dr. Ahmad Y. Okeil](#), Abu Dhabi University

[Ivar Krasinski](#) Introduction to photometric analysis  
Burt Hill with related research in case studies

[Barry Hannaford](#) Design approaches in the UAE  
DPA Lighting

### Lunch Break

[Mario Seneviratne](#) Integrative Design, Energy, Daylight  
Green Technologies and Lighting

### Coffee Break

[Iain Macrae](#) Sustainability analysis of lighting  
Thorn solutions

[Bjorn Martenson](#) Can light bulbs send SMS?  
Interior Automation

# Day 2 - Workshop Program June 17,2010

Location: [Ballroom, The Yas Hotel](#)

11:00 am: Registration

## Workshop 1

9:00 am – 11: pm

**[Mario Seneviratne](#), Green Technologies**

"Energy Modeling Support Integrative Design"

The workshop will be an extension to the previous day's presentation on Integrative Design, Energy, Daylight and Lighting, quantifying the effects of daylighting, lighting and HVAC systems on the overall demand and energy consumption of a building. Engineers and Architects will enjoy this two hour workshop presenting the methodology for making informed decisions.

## Coffee Break

11:15 pm – 12:30 pm

**[Vic Andrews](#), Managing Director, Ruud Lighting Arabia**

"Introducing Solid State Lighting to the UAE" Case study of the Under Deck Solid State Roadway Lighting – Al Sowwah Island – Abu Dhabi"

The course is designed to showcase the first project of its type in the Middle East utilizing Solid State Lighting technology. It will further elaborate on the technology's saving and ROI potentials as well as its environmental performance in comparison to traditional road lighting

## Lunch Break

## Workshop 2

1:30 pm – 3:00 pm

**[Iain Macrae](#), Head of Global Lighting Application Management, Thorn**

"Developing sustainable lighting solutions by balancing performance, efficiency and comfort requirements"

The training course will elaborate on strategies and tools achieving:

- Optimal visual effectiveness for variable lighting requirements
- Minimal energy consumption, waste and environmental impact
- Stimulating and healthy atmospheres
- Forecast of the effect of lighting solutions and cost transparency

## Coffee Break

3:15 pm – 4:30 pm

**[Firoz Badar](#), RDK International**

"Potential of intelligent LED technology on Outdoor Façade – Case study of grid shell lighting at The Yas Hotel"

The workshop will give insights into how the Architect's and Lighting Consultant's concept was turned into a real working solution in the outdoor temperatures and dusty environment of the UAE. It will elaborate on the following stages:

- Development of the luminaire and associated gear.
- Testing of the gridshell luminaires and gears.
- RDM intelligent control systems, development and implementation.
- Installation of the Gridshell lighting and controls.
- Achieving a sustainable working solution of the gridshell lighting and controls system.