



# WSSET

World Society of Sustainable Energy Technologies

# NEWSLETTER

## The 12<sup>th</sup> SET Conference – Latest update

# SET 2013

The 12th International Conference on Sustainable Energy Technologies  
Hong Kong, China (26<sup>th</sup> - 29<sup>th</sup> August 2013)



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## International Conference on Sustainable Energy Technologies, August 2013, Hong Kong

The 12<sup>th</sup> International Conference on Sustainable Energy Technologies will be held from the 26<sup>th</sup> to 29<sup>th</sup> August 2013. SET-2013 is a multi-disciplinary international conference on sustainable energy sources and technologies, and will provide a forum for the exchange of latest technical information, the dissemination of the high-quality research results on the issues, the presentation of the new developments in the area of sustainable energy, and the debate and shaping of future directions and priorities for better environment, sustainable development and energy security. The primary theme of the conference is sustainable energy, not only in engineering and science but also in all other disciplines (e.g. ecology, education, social sciences, economics, management, political sciences, and information technology). Therefore, papers on related topics are solicited from all relevant disciplinary areas, ranging from current problems, projections, new concepts, modelling, experiments and measurements, to simulations.

For more information and the latest updates regarding SET 2013 and abstract submissions, please see conference website at: <http://www.polyu.edu.hk/risud/set2013/>

## Solaris 2013 Conference

Now in its sixth year, the Solaris conference series are of internationally recognised status, attracting experts in the field of solar radiation modelling, measurement, and applications.

The Solaris 2013 conference was chaired by Professor Saffa Riffat, The University of Nottingham in the historic city of Granada, Spain. The event included a wide range of topics with keynote lectures given by eminent speakers and researchers focusing on important research topics in the field of solar radiation, day lighting and energy related applications. For more information please follow the link:

<http://solaris2013.fundacionugrempresa.es/en/index.html>



## Latest technologies & products

### SpineLock's innovative zero-carbon development in Mansfield

Mansfield-based company, SpineLock Living, is due to launch a pioneering zero carbon 18 home development in late June. The new homes and site will bring together many patented new concepts, the brainwave of entrepreneur and engineer, Derick Wilson, SpineLock's CEO.

The houses are being constructed off-site in SpineLock's factory, to exacting engineering standards and under controlled conditions. The benefits of using modern methods of construction are many and varied: shorter time scales, better quality control and lower costs. However, SpineLock is taking the process to another level. The company's innovative method makes use of a panelised interlocking 'cassette' system, which has been developed over several years.

Derick describes the inspiration behind SpineLock technology:

*"The UK housing industry is facing two major challenges over the next few years - to deliver enough affordable, quality housing to accommodate a growing population and to reduce carbon emissions by 80% by 2050, all in the midst of an economic crisis. To overcome these challenges a new way of designing and building houses is needed."*

SpineLock's houses provide potential homeowners with exceptional living spaces, approximately 30 percent larger than many other new houses in the area – sustainable living without the price tag normally associated with such grand designs. To achieve Code Level 6, the houses are highly insulated and heated with a unique low-energy, under-floor system, providing controlled heat in each room and rapid thermal response. Roof-mounted solar panels generate both heat and power, from combined solar thermal and photovoltaic systems (PVT). The combination of insulation, controlled living conditions and renewable energy is expected to bring savings of 80 percent compared to a traditional new-build, offering greater financial security against rising energy bills.



SpineLock also uses rainwater harvesting to reduce water consumption and a patented anti-block gutter system, which, together with a maintenance-free brick and wood-grained exterior, also offer an easier life. Yet, unlike many zero-carbon eco-houses, the new homes at 'The Green' will blend comfortably with the surrounding buildings.

For further information about this innovative company and the energy-saving homes at 'The Green' development, please contact Ann Collins at SpineLock Living on 01623 634 983, or by email at [ann@spinelockgroup.com](mailto:ann@spinelockgroup.com)

### The Heating Box:

Magic Thermodynamic Box Ltd. offers a range of renewable energy and fuel saving products for domestic built environment applications, with one of the most promising coined 'The Heating Box'. The product is a revolutionary domestic central heating enhancing unit, which can be retrofitted into any existing heating system between the boiler and the first radiator. The Box claims to increase the heating comfort factor within a property whilst substantially cutting the fuel bill. The Heating Box is a natural heat exchanger which also automatically collects and expels air from the system. The Box can be fitted to all systems no matter the type of boiler or fuel burnt. For more information and other exciting products please go to their website: <http://www.magicthermodynamicbox.com/>



## Conferences WSSET recommends

- **21st European Biomass Conference and Exhibition**  
3 - 7 June 2013, Copenhagen, Denmark  
<http://www.conference-biomass.com/>
- **12th International Conference of Sustainable Energy Technologies**  
26 - 29 August 2013, Hong Kong, China  
[www.set2013.org](http://www.set2013.org)
- **International Conference on Harnessing Technology**  
2 - 3 December 2013, Sultanate of Oman  
<http://www.icht-oman.com.om/>
- **The 8<sup>th</sup> International Conference on Fluid and Thermal Energy Conversion**  
8 - 11 November 2013, Semarang, Indonesia  
<http://www.ft.undip.ac.id/>
- **International Conference on Computer Science and Engineering**  
23 December 2013, Cairo, Egypt  
[http://icgst.com/conferences/session.aspx?confid=62&sub\\_id=61&ses\\_id=83](http://icgst.com/conferences/session.aspx?confid=62&sub_id=61&ses_id=83)

## Journals WSSET recommends

Along with the successful *International Journal of Low Carbon Technologies* (<http://ijlct.oxfordjournals.org/>) and *International Journal of Sustainable Cities and Societies* (<http://www.journals.elsevier.com/sustainable-cities-and-society/>) Professor Saffa Riffat would like to invite you to submit articles to his newest Journal:

**Renewable Bio-resources** (<http://www.hoajonline.com/renewablebioresources>)

**Scope of the journal** - As global energy requirements change and grow, it is crucial that all aspects of the bio energy production process are streamlined and improved, RENEWABLE BIORESOURCES emphasises, on the advanced applications of biotechnology to improve biological ecosystems through renewable energy derived from biological sources.

Articles related to the topics of renewable bio resources are all welcome, and should be submitted using the above link.

Along with LinkedIn, WSSET has recently joined the social network Facebook. Being connected with WSSET on Facebook is an effective way of getting in touch with members from both academic and industrial backgrounds, finding the latest updates and news from WSSET and get the latest updates and news of up-and-coming events. Follow us at [www.facebook.com/wsset](http://www.facebook.com/wsset)



### Donations are welcomed and greatly appreciated!

We would like to remind our members that WSSET is a non-profit organisation, hence providing free membership. We would not be able to play a significant role in consolidating practical partnerships between academic and industrial organisations without the help of our members.

Whether you would like to get more involved or contribute financially, please get in touch with us at [secretary@wsset.org](mailto:secretary@wsset.org).

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