

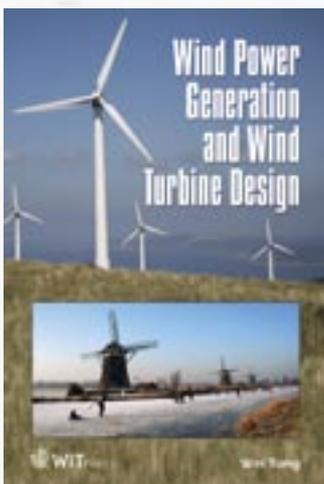
WORLD of WIT

News from Wessex Institute of Technology and WIT Press

Nature's Power



Collaboration between Man and Nature



Price: £298.00
ISBN: 978-1-84564-205-1
eISBN: 978-1-84564-388-1
Pages: 768
Published: 2010
Hardback

Alternative energy, a rapidly growing publishing sector for WIT Press, is not as new as you might initially think, and indeed close to our New Forest offices is The Tide Mill, Eling (pictured above). Dating back to the 18th Century, the mill has been harnessing nature's power and it survives to this day as the only tide mill in the world still grinding wholemeal flour. Originally, a double mill with two sets of waterwheels, only one of which has been restored, it stands as a monument to collaboration between Man and Nature.

Evidence of further such collaboration and uses of 'nature's power' can be found in *Wind Power Generation and Wind Turbine Design*, a forthcoming publication, which provides both practising engineers and researchers with comprehensive information on this, the fastest growing alternative energy segment that will play a major role as the world moves towards a sustainable energy future.

Frankfurt Book Fair

Dropping off this Spring?



A Student's Point of View



New Book Titles

Hello from WIT...

For many years, WIT Press has been publishing the Wessex Institute of Technology books, as well as other publications originating at our Institute, including some resulting from our most outstanding research projects and PhD theses.

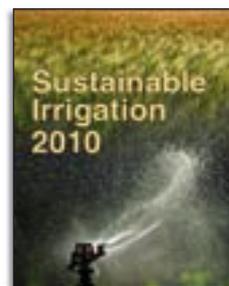
As we enter a new era in Publishing, I am happy to see that WIT Press has undertaken new marketing and further diversification. The main challenge continues to be able to take advantage of the opportunities created by the change occurring in the very nature of publishing. A revolution is taking place, prompted by the ubiquity of digital publishing, marketing and sales. WIT Press is well positioned to take advantage of these developments. Digital distribution of WIT Press books is increasing fast, leading to an even wider dissemination of the research output of our Institute.

The key to the success of WIT Press is its ability to change to evolve to better serve the international scientific community. This will make WIT Press an important player in this new era of digital publishing.

PROFESSOR CARLOS A. BREBBIA



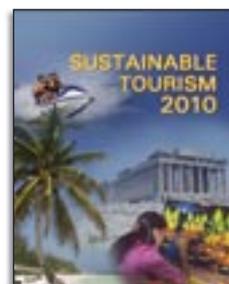
Conference Highlights



The third conference in the series to be held on 7-9 June in the historic Romanian capital of Bucharest.



This is the 18th annual meeting in this very successful series of conferences, which this year is being held on 21-23 June on the beautiful Greek Island of Kos.



Finding ways to protect the natural and cultural landscape through the development of new solutions that minimise the adverse effects of tourism, this is the fourth meeting of this popular series. Taking place on 5-7 July in the New Forest, UK.

New Book Titles

Development of Regional Airports: Theoretical Analyses and Case Studies

Edited By: M.N. POSTORINO

Covering the economic aspects, the role of low-cost companies, the air demand modelling, the airport, airline and access mode choices, the relationships between hub capacity constraints and regional airports growth, together with an overview of the main tendencies, strategies and policies that have been started in EU and Asia.

ISBN: 978-1-84564-143-6
eISBN: 978-1-84564-385-0
Price: £73.00

Incentives and Instruments for Sustainable Irrigation

Edited By: H. BJORN LUND

It provides a comprehensive discussion of the importance of

institutions and governance to guide this process and then provides examples from around the world showing how incentives and instruments have been introduced to support this development.

ISBN: 978-1-84564-406-2
eISBN: 978-1-84564-407-9
Price £85.00

Solar Thermal and Biomass Energy

G. LORENZINI, C. BISERNI, and G. FLACCO

Representing the most complete state of the art work available, this book concerns renewable energy sources and in particular, it collects development studies in thermal solar techniques and biomasses.

ISBN: 978-1-84564-147-4
eISBN: 978-1-84564-386-7
Price: £85.00

Going global with eBooks

WIT Press is pleased to announce its collaboration with EBL, increasing our number of eBook vendors to four, and completing our goal of making our eBooks easily and quickly accessible all over the world. With this new vendor in place, authors and editors can be secure in the knowledge that their work is reaching fellow researchers and students in their field faster than before. A factor promoting the dominance of eBooks is the constantly rising cost

of fuel, a major aspect in providing the printed books, which is mirrored in the increasing cost of shipping. However, it is important to stress that we do not envisage eBooks taking the place of the printed book, just an added facility to further enhance its accessibility to individual customers.

The number of individual readers will flourish with the ease of access to state of the art information, but Librarians will hold the key to the

future of STM eBook's use within universities. One eBook can be viewed by several people at the same time using the libraries in-house network, however the printed book will remain the most imperative source for research and viewing tables and diagrams. Librarians will have to decide the importance of each of these aspects when purchasing titles, and instead of choosing if they need one or two copies of a printed book on the shelf, they can also buy an

eBook version to support the needs of many more students.

The four eBook vendors that we have chosen have each created platforms that are easy-to-navigate and are supported by comprehensive search facilities, which also enable translation into major foreign languages. These facilities can now be used when searching for WIT Press eBooks, which are available from:



www.dawsonera.com

Email: enquiries@dawsonbooks.co.uk



www.igpublish.com

Email: nicole.lee@igroupnet.com



www.ebllib.com

Email: support@ebllib.com



www.ebrary.com

Email: sales@ebrary.com

Frankfurt Book Fair



Standing left to right: Mr Lin Peng, Mr Liu Jianyao, David Anderson and Carlos A. Brebbia

Professor C A Brebbia, Director of Wessex Institute of Technology, and Mr David S. Anderson, CEO, WIT Press, participated in the 2009 Frankfurt Book Fair where the highlight of their visit was the signing of an agreement with Science Press, Beijing, China for the translation into English from the original Chinese of more than 40 titles. It is expected that the first of these will publish towards the end of 2010.

Science Press was represented at the ceremony by Mr Liu Jianyao, Chairman of the Board and Mr Lin Peng, General Manager. Professor Brebbia expressed his gratitude to Science Press on behalf of Wessex Institute of Technology for the trust placed in WIT Press and the potential for further collaboration.

Science Press is the core member of China Science Publishing Group

and is the largest scientific and technical publishing company in China. They are 'number one' in terms of title output and they have a market share in excess of 10%. Their publishing strengths lie in subjects such as biology, mathematics, physics, chemistry, astronomy and geology.

During the last five years, Science Press has recruited 292 talented graduates from the top ranking

universities and research institutes in China and abroad two-thirds of them hold PhD or Master degrees covering nearly every field in natural science, technology, humanities and social science. The influx of these new employees had a profound impact on the age structure and education level of the whole press and today more than 50% of the 348 editors employed are aged under 30.

Author's Corner Ove T. Gudmestad



Professor Ove T. Gudmestad is currently Adjunct Professor, Marine Technology, Stavanger University Centre, Norway, and is also an Adviser on Marine Technology in Statoil, where he has more than 28 years of engineering research and project experience.

PETROLEUM RESOURCES with EMPHASIS on OFFSHORE FIELDS is to be published in May 2010.

There are very few titles on petroleum issues that cover practically all aspects of upstream and midstream operations and in this context this book can be considered an encyclopaedia on the developments of petroleum resources in general and development of offshore petroleum resources in particular.

In its own way unique because the reader can find information on the geology of petroleum resources, reservoir and production engineering, drilling, processing facilities, transportation issues, decommissioning, safety and environmental issues, licensing and fiscal regimes, economics of petroleum operations and investments; this title also covers issues of ever increasing importance such as business ethics and responsibility to society.



Letter from America...

Not surprisingly, best-selling titles have related very strongly to areas covered by government stimulus funding: ecology and the environment (especially sustainability), the built environment, and disaster management. Future prospects remain strong in those areas, especially in the energy subcategory, where it has been exciting and gratifying to see the reception our newest titles in these areas (*Solar Thermal and Biomass Energy* and *Wind Power Generation and Wind Turbine Design*) have received so far.

Also looking to the future, WIT Press is ready to meet libraries' increasing commitment to eBooks, with the addition of electronic versions of our titles published from 2006 onward, and the publication of future titles in both print and electronic editions. Our partnering with e-book providers already familiar to our library customers ensures that our library customers will be able to easily acquire electronic editions of our titles.

Dropping off in Spring?



The New Forest, where WIT Press has its headquarters, is famous for its deer, having been set aside as a hunting ground by William the Conqueror in 1079. During April each year the large species of deer shed their antlers and immediately begin to grow new ones. Fallow deer are the most common deer in 'the forest' and their antlers are easily distinguished as they are palmated or flattened in comparison to those of other deer species such as Red and Sika which end in points.

The antler shown above was found in the woods surrounding Ashurst Lodge. It measures 70cm long and came from a fully grown adult male in his prime. While an antler is growing it is covered with highly vascular skin called velvet, which supplies oxygen and nutrients to the growing bone. By the end of July/early August the antler reaches full size, the velvet is lost and the antler's bone dies. For this mature buck it was almost 20cm per months of linear growth on each antler!

Local New Forest Recipe

Roasted Butternut Squash Soup

Serves 6

- 900g peeled, seeded and roughly chopped squash
- 325g red or white onion peeled and cut into about 8 wedges
- 3 fat cloves of garlic peeled
- 4 tbsp olive oil
- 1 tsp salt and pepper
- 1lt vegetable or chicken stock

1. Heat oven to gas 6, 200°C, fan oven 180°C, 400°F
2. Place squash, onion, garlic, oil and salt and pepper in a large roasting tin and mix.
3. Roast for about 30 – 40 mins stirring once or twice until soft and tinged with brown.
4. Scrape into a large saucepan
5. Use some of the stock to scrape all the tasty bits off the tin, add this and most of the remaining stock to the pan
6. Bring to the boil and simmer for 5 mins
7. Blitz with a stick blender in the saucepan or in a food processor (you may need to do this in two batches), return to the saucepan to reheat.
8. Taste and season if necessary and adjust the thickness to suit your taste using remaining stock

A Student's Point of View



Top Left: Peter Haderka

Unique... a word that fits WIT truly well. Something you might already know, but hold your Ashurst ponies for now and see what the students have to add.

For most of the students, Ashurst Lodge becomes their home for at least several months. It's location becomes a source of immediate appeal, especially for those who were trying to escape the busy and hectic lives of large cities. Whether you are here as a full-time PhD student or just a visiting fellow researcher the cosy feeling you get is overwhelming. But don't be deceived

by it's remote position. The quality of research is very high.

And what has the Institute got to offer? First of all, three outstanding departments covering quite a wide range of physics problems. Ranging from Geophysics to Biomechanics, every interested master student in engineering would indeed put his knowledge to good use here. The individual approach of the supervisors and the calm environment add to a place where real, undisturbed research can be performed. Moreover, all the students are welcome to join the outstanding international conferences,

free of charge, bringing together people from all over the world. The Institute also provides several short courses that are very educational and broaden ones horizons.

The campus offers all different sorts of amusements. There is a small but well equipped gym available for everybody's use. Students keep alive a decent but modest football league and the winners are honoured during the annual Student Union Christmas award ceremony. Soon the table tennis championships will resume after the winter break, too. In addition, there is a projection room for movie nights, pool and BBQ area for student's use which makes the campus a nice place to live in.

Overall, Ashurst Lodge can really be regarded as a remarkable place to stay, or even visit, with all the advantages of the well-equipped but crowded universities and only a few of the drawbacks. With all the refurbishment going on and the recent success with fulfilment of the new and strict Visa rules it will certainly attract more attention. Hopefully, with more students coming in, it will maintain it's place on the educational map.

My horse sense, developed over the years spent in the wilderness of the New Forest, tells me that the blue skies won't fade to grey over this undoubtedly extraordinary educational institute.

PETER HADERKA

WIT FACT

The Boston office of WIT Press is actually located about 23 miles northwest of Boston, in the town of Billerica. The town was founded in 1652 on land that was part of a King's Grant to the Massachusetts Bay Governor John Winthrop and Lt. Governor Thomas Dudley. The area was called Shawshin (now spelled Shawsheen) by the local Native Americans. The town is believed to have been named Billerica, after Billericay, England, in Essex, possibly because the majority of the original settlers came from there, to replace the "foreign-sounding" local name, as happened with many locations settled by Europeans in America.



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