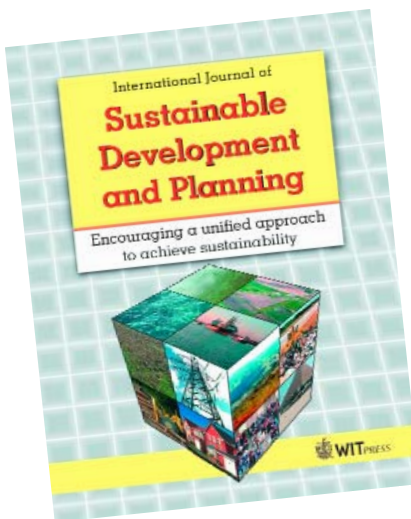


International Journal of Design & Nature and Ecodynamics

A transdisciplinary journal relating nature, science and the humanities

The International Journal of Design & Nature and Ecodynamics opens new avenues for understanding the relationship between arts and sciences. The objective of the Journal is to encourage and facilitate inter-disciplinary communication between scientists in different disciplines, as well as other professionals in academia, research institutions or industry, working on a variety of studies involving nature and its significance to modern scientific thought and design.

For more information, please see <http://journals.witpress.com/jdne.asp>



International Journal of Sustainable Development and Planning

Encouraging a unified approach to achieve sustainability

The aim of this Journal is to inform its readers about all aspects of environmental planning and management. The Journal includes subjects ranging from social to technical environmental management and focuses on the concepts of sustainable planning and development.

For more information, please see <http://journals.witpress.com/jsdp.asp>



Location

The historic city of Siena is located in the beautiful region of Tuscany in central Italy. Self-contained behind its medieval walls,

the attractive Gothic cityscape rises at the meeting point of three hills. The focal point of city life is the spectacular Piazza del Campo, its fan-like shape fits the natural slope of the ground and is surrounded by renaissance Palazzos and local restaurants. This provides a splendid backdrop for the Corsa del Palio, a fast and furious bareback horse race held twice yearly, which dates back to the 15th century and a tradition representing neighbourhood pride which is taken very seriously by the Siene.

Conference Venue

Sustainable City 2014 will be held at Certosa di Pontignano, situated on the outskirts of Siena, in 'Chianti Classico' territory. Certosa di Pontignano is an old monastery which has been renovated and converted into a conference centre by the University of Siena. Transport services regularly connect the venue with central Siena. Certosa di Pontignano has single and double rooms with ensuite and WiFi facilities available situated within the old monastery buildings.

Submission Information

Papers are invited on the topics outlined and others falling within the scope of the meeting. Abstracts of no more than 300 words should be submitted as soon as possible.

Abstracts should clearly state the purpose, results and conclusions of the work to be described in the final paper. Final acceptance will be based on the full-length paper, which if accepted for publication must be presented at the conference.

The language of the conference will be English.

Online submission
wessex.ac.uk/city2014

Email submission
cyoung@wessex.ac.uk

Submit your abstract with Sustainable City 2014 in the subject line.

Please include your name, full address and conference topic.



Conference Secretariat

Christine Young
cyoung@wessex.ac.uk

Wessex Institute of Technology
Ashurst Lodge
Ashurst, Southampton
SO40 7AA
UK

Tel: +44 (0) 238 029 3223
Fax: +44 (0) 238 029 2853

For more information visit:
wessex.ac.uk/city2014

Call for Papers

SUSTAINABLE CITY 2014

9th International Conference on Urban Regeneration and Sustainability

23 - 25 SEPTEMBER, 2014
SIENA, ITALY

 **WESSEX INSTITUTE OF TECHNOLOGY**
ADVANCING INTERNATIONAL KNOWLEDGE TRANSFER

wessex.ac.uk/city2014

Organised by
Wessex Institute of Technology, UK
University of Siena, Italy

Sponsored by
WIT Transactions on Ecology and the Environment
The International Journal of Design & Nature and Ecodynamics
The International Journal of Sustainable Development and Planning

The 9th International Conference on Urban Regeneration and Sustainability addresses all aspects of the urban environment aiming to provide solutions leading towards sustainability. The Sustainable City 2014 conference follows a series of very successful meetings that started in Rio (2000), followed by Segovia (2002), Siena (2004), Tallinn (2006), Skiathos (2008), A Coruña (2010), Ancona (2012) and Kuala Lumpur (2013).

The Conference addresses the multi-disciplinary aspects of urban planning; a result of the increasing size of the cities; the amount of resources and services required and the complexity of modern society.

Most of earth's population now lives in cities and the process of urbanisation still continues generating many problems deriving from the drift of the population towards them. These problems can be resolved by cities becoming efficient habitats, saving resources in a way that improves the quality and standard of living. The process however, faces a number of major challenges, related to reducing pollution, improving main transportation and infrastructure systems. New urban solutions are required to optimise the use of space and energy resources leading to improvements in the environment,

i.e reduction in air, water and soil pollution as well as efficient ways to deal with waste generation. These challenges contribute to the development of social and economic imbalances and require the development of new solutions.

Large cities are probably the most complex mechanisms to manage. However, despite such complexity they represent a fertile ground for architects, engineers, city planners, social and political scientists, and other professionals able to conceive new ideas and time them according to technological advances and human requirements.

The challenge of planning sustainable cities lies in considering their dynamics, the exchange of energy and matter, and the function and maintenance of ordered structures directly or indirectly, supplied and maintained by natural systems.

Benefits of Attending

Conference Proceedings Papers presented at Sustainable City 2014 will be published by WIT Press in Volume 191 of WIT Transactions on Ecology and the Environment Transactions (ISSN:1746-448X Digital ISSN: 1743-3541) WIT Press ensures maximum worldwide dissemination of your research through its own offices in Europe, the USA and its extensive international distribution network.

Delegates will have the choice of receiving the conference book in either hard cover or digital format on a USB flash drive. The USB flash drive will additionally contain papers from previous conferences in this series.

Indexing and Archiving Papers presented at Wessex Institute conferences are referenced by CrossRef and regularly appear in notable reviews, publications and databases, including referencing and abstract services such as SCOPUS, Compendex, Thomson Reuters Web of Knowledge, ProQuest and Scitech Book News. All conference books are archived in the British Library and American Library of Congress.

Citations When referencing papers presented at this conference please ensure that your citations refer to Volume 191 of WIT Transactions on Ecology and the Environment as this is the title under which papers appear in the indexing services.

Digital Archive All conference papers are archived online in the WIT eLibrary (<http://library.witpress.com>) where they are immediately and permanently available to the international scientific community.

Journal Papers Participants of Sustainable City 2014 will be invited after the conference to submit an enhanced version of their research for possible publication in one of the International Scientific Journals edited by the Wessex Institute.

Networking Participants can present their research and interact with experts from around the world, becoming part of a unique community.

Conference Chairmen

N Marchettini
University of Siena, Italy

C A Brebbia
Wessex Institute of Technology, UK

R Pulselli
University of Siena, Italy

International Scientific Advisory Committee

M Ali
University of Illinois, USA

D Bogunovich
UNITEC, New Zealand

C A Booth
University of the West of England, UK

L B dos Santos Argueta
Federal Fluminense University, Brazil

R Fistola
University of Sannio, Italy

A Furman
Ryerson University, Canada

A Kocabas
Mimar Sinan Fine Arts University, Turkey

G Passerini
Università Politecnica delle Marche, Italy

D Poljak
University of Split, Croatia

C Poveda
University of Alberta, Canada

N Quaranta
National Technological University, Argentina

R Rojas-Caldelas
Universidad de Autonoma de Baja California, Mexico

F Russo
University of Reggio Calabria, Italy

S Turgut
Yildiz Technical University, Turkey

Y Villacampa
University of Alicante, Spain

Open Access Open Access allows for the full paper to be downloaded from the WIT eLibrary archives, offering maximum dissemination. Authors who choose this option will also receive complimentary access for one year to the entire WIT eLibrary.

Reduced Fee for PhD Students The Wessex Institute believes in the importance of encouraging PhD students to present and publish innovative research at their conferences. As a result, the Institute offers PhD students a much reduced conference fee.

Conference Topics

Urban strategies

Planning, development and management

Urban conservation and regeneration

The community and the city

Eco-town planning

Landscape planning and design

Environmental management

Sustainable energy and the city

Transportation

Quality of life

Waterfront development

Case studies

Architectural issues

Cultural heritage issues

Intelligent environment and emerging technologies

Planning for risk

Disaster and emergency response

Safety and security

Waste management

Infrastructure and society

Urban metabolism



Prigogine Medal 2014

The Prigogine Gold Medal 2014 Award Ceremony will take place on the 23rd September 2014 at the Aula Magna of the University of Siena.

The Prigogine Medal was established in 2004 by the University of Siena and the Wessex Institute of Technology to honour the memory of Professor Ilya Prigogine, Nobel Prize Winner for Chemistry.

Ilya Prigogine

Ilya Prigogine was born in Moscow in 1917, and obtained his undergraduate and graduate education in chemistry at the Free University in Brussels. He was awarded the Nobel Prize for his contribution to non-equilibrium thermodynamics, particularly the theory of dissipative structures. The main theme of his scientific work was the role of time in the physical sciences and biology. He contributed significantly to the understanding of irreversible processes, particularly in systems far from equilibrium. The results of his work have had profound consequences for understanding biological and ecological systems.

Prigogine's ideas established the basis for ecological systems research. The Prigogine Medal to honour his memory is awarded annually to a leading scientist in the field of ecological systems. All recipients have been deeply influenced by the work of Prigogine.



Professor Ilya Prigogine

Previous Prigogine Medal winners:

| | |
|------|---------------------------|
| 2004 | Sven Jorgensen, Denmark |
| 2005 | Enzo Tiezzi, Italy |
| 2006 | Bernard Patten, USA |
| 2007 | Robert Ulanowicz, USA |
| 2008 | Ioannis Antoniou, Greece |
| 2009 | Emilio del Giudice, Italy |
| 2010 | Felix Müller, Germany |
| 2011 | Larissa Brizhik, Ukraine |
| 2012 | Gerald Pollack, USA |
| 2013 | Vladimir Voeikov, Russia |

For further information about the Prigogine Awards, please contact Professor Carlos Brebbia at the Wessex Institute of Technology or see www.wessex.ac.uk/prigogine2014

Professor Carlos Brebbia
Wessex Institute of Technology
Ashurst Lodge, Ashurst
Southampton
SO40 7AA, UK

Tel: +44 (0) 238 029 3223

Fax: +44 (0) 238 029 2853

Email: carlos@wessex.ac.uk

See the following web pages for details of recent Prigogine Awards:

www.wessex.ac.uk/prigogine2011

www.wessex.ac.uk/prigogine2012

www.wessex.ac.uk/prigogine2013