

**10th
ANNIVERSARY**

PRESS ANNOUNCEMENT Prigogine Award 2014

University of Siena, Italy
23rd september 2014

PRIGOGINE MEDAL 2014

The Prigogine Gold Medal 2014 Award Ceremony will take place on Tuesday 23rd September in Siena, Italy. This prestigious event is sponsored by the University of Siena on the occasion of the 9th International Conference on Urban Regeneration and Sustainability (The Sustainable City).

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

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.

Previous Prigogine Laureates were:

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 Voelikov , Russia

The 2014 Medal is to be awarded to Professor Mae-Wan Ho of the Institute of Science in Society, UK.



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MAE-WAN HO

The recipient of the 2014 Award will be Professor Mae-Wan Ho, founding Director of The Institute of Science in Society, an organisation that provides information about biotechnological issues as well as sustainability, climate change and in particular the nature of water. Professor Ho received a PhD in Biochemistry from Hong Kong University. She was a Post-doctoral Fellow in Biochemical Genetics at the University of California, San Diego; Senior Research Fellow at Queen Elizabeth College, Lecturer in Genetics and Reader in Biology at the Open University, UK.

Professor Ho is the author of several books and Editor of the Journal Science in Society, produced by her Institute. She is a prolific author. Two of her books are prominent in explaining the role of biological water in organising living processes (see "The Rainbow and the Worm, The Physics of Organisms" and "Living Rainbow H₂O"). She has been extremely productive with nearly 200 scientific papers, over 600 popular articles and several more books.

SPECIAL PRIGOGINE LECTURE

Circular Thermodynamics of Organisms and Sustainable Systems

The concept of circular thermodynamics of organisms is presented based on dynamic closures in nested space-time domains that enable organisms to approach zero-entropy production simultaneously at equilibrium and far from equilibrium conditions. It confirms and extends Ilya Prigogine's Principle of Minimum Entropy Production for living systems and has implications for sustainable cities and other built environments as well as ecosystems and economic systems.

to be delivered by **Professor Mae-Wan Ho**
at the **Aula Magna, University of Siena, Italy**
on the morning of **Tuesday 23rd September, 2014**

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

See the following Web page for details of the previous Prigogine Award:
www.wessex.ac.uk/prigogine2013

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