

21 July 2010

**Re-thinking Energy: World Leading Artists, Architects and Scientists Come Together to Develop New Thinking About Energy
Collateral Event 12th International Architecture Exhibition, Venice**

- *Time machines, invisible energy networks and giant energy pendulums created -*
- *Major free public symposium held blending arts, science and creative expression -*
- *Over 30 leading figures from science, arts and architecture involved -*

Work from an ambitious project developing a new paradigm about energy from the Architectural Association School, London, will be on show as a Collateral Event of the 12th International Architecture Exhibition in Venice from 26 August until 19 September 2010. The work is supported by a free symposium featuring world leading artists, architects and scientists on 27 August 2010.

Called ***Beyond Entropy: When Energy Becomes Form*** and sponsored by Digital Technology Solutions, RePower and Bersi Serlini, the project and symposium are set in the context of the urgent requirement of global energy and how this issue impacts on politics, economics and cultures across the globe. In a world first, 24 leading artists, architects and scientists led by AA School architect Stefano Rabolli Pansera are pioneering an enquiry that fuses science, architecture and artistic collaboration to develop new ways of thinking about energy.

Work created during the first year of the project, including giant self-balancing mechanisms, pedestals for displaying the invisible energy networks and a time machine will be on display at the Fondazione Giorgio Cini on the island of San Giorgio Maggiore from 26 August until 19 September 2010. **Press preview: 26 August, 10:00 – 19:00hrs. Please RSVP to william@kallaway.com 00 44 (0) 20 7221 7883.**

The AA School Beyond Entropy Symposium is FREE to all and takes place on 27 August from 13:00 – 00:00hrs at Fondazione Giorgio Cini. Over 30 world leading figures from the arts, science, architecture, politics and philosophy will share ideas in a dynamic, fast paced and exciting event of thought and debate spanning all forms of expression in search of a new paradigm for energy. Speakers include **Brett Steele, Director of AA School; Carlo Carraro, President of the University of Venice; Hans Ulrich Obrist, Co-Director, Serpentine Art Gallery, London; Gianfranco Bettin, Regional Councillor, City of Venice; Angelo Merlino, Mechanical Engineer, Large Hadron Collider, CERN; Nur Puri Purini, Energy and Commodities Specialist, Intesa Sanpaolo; Giovanni Anceschi, Professor of Industrial Design, Luav** and many others. [Full list of speakers and timings below].

Beyond Entropy: When Energy becomes Form, as a collateral event, began at the Venice Biennale in June, 2009. The 12th International Architecture Exhibition marks the end of the first year of the project and brings together the work, research material and ideas in progress from the eight groups for display and public debate. Since its launch, 24 experts divided into eight groups, each consisting of an architect, a scientist and an artist, have been exploring eight different types of energy: sound, mechanical, potential, mass, electric, thermal, chemical and gravitational. Using the AA School in London as a base, the groups have met regularly, including with leading artists such as Martin Creed, Massimo Bartolini, David Claerbout and Giovanni Anceschi. They have also visited scientific institutions including the Large Hadron Collider in CERN. The research material, prototypes and ideas exhibited will continue to be developed during the final year of the programme, prior to the final show in Venice in 2011.

Stefano Rabolli Pansera, Director, Beyond Entropy, AA School, says: *“Energy in architecture is normally considered as either an exclusively technical issue or something relating to the sustainability debate. While both these are important they are reductive – architects seeking to solve specific energy related problems. This project sets out to create a new paradigm for talking about energy, which can be used to stimulate and frame new forms of understanding.*

This project places architects at the heart of the enquiry, stimulating the relationship between the scientists and artists to create a new horizon for how we think about energy and its relationship with space.”

The work on show comprises prototypes or ideas in formulation. They demonstrate our thinking so far and how the creative collaborations are taking shape. These works, complemented by the symposium, will provide visitors with a unique insight into the project so far and encourage them to become part of the debate for reframing energy.

The symposium is particularly exciting. It is the first time an event like this has been run at the Biennale and provides a unique opportunity to hear from world leading experts exploring and sharing ideas to develop new paradigms on Energy.”

Beyond Entropy: When Energy becomes Form website:

<http://beyondentropy.aaschool.ac.uk/>

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Press contact and images

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Journalist accreditation

Journalists must accredit themselves online if they wish to attend the 12th International Architecture Exhibition. Italian: <http://bit.ly/9YueTK> English: <http://bit.ly/bZiDIE>.

Venue Location and Information:

The AA School's *Beyond Entropy: When Energy becomes Form* is held at the Fondazione Giorgio Cini, Isola di San Giorgio Maggiore, 30124 Venezia <http://www.cini.it/>. Fondazione Giorgio Cini is located on the Island of San Giorgio Maggiore, Venice, across the Canal from St. Mark's square and Palazzo Ducale and very close to the main venue of the 12th International Architecture Exhibition. To reach the Fondazione Giorgio Cini on the vaporetto, take line n°2 and get off at "San Giorgio" stop. N°2 vaporetto leaves from the main points in Venice: San Zaccaria (trip lasting about three minutes) Tronchetto (trip lasting about 35 minutes), Piazzale Roma (trip lasting about 40 minutes), Ferrovia (trip lasting about 45 minutes). To get to the main Exhibition from San Giorgio take boat number 2 and go to San Zaccaria, then take boat number 1 or 41 to Arsenale and Giardini (trip lasting 10 minutes). You can also walk from San Zaccaria.

Private View 26 August, 10:00 – 19:00hrs, Fondazione Giorgio Cini

All media are welcome to attend the Private View. Experts will be available to talk about their work. Please confirm your attendance with William Kallaway on telephone 00 44 (0)20 7221 7883 or email william.kallaway@kallaway.com. The work on show spans eight areas of energy being explored and represents the research material, prototypes and ideas developed during the first year of the project. Examples include:

- A self-balancing machine devised to achieve a state of unnatural equilibrium exploring ideas and issues linked to mass energy. Film projectors, connected by a giant pendulum continually project an image of a building being simultaneously built and destroyed as the pendulum swings energy moves from mass to form to mass.
- The consequence of the transportation of energy from source to plug will be explored through a unique performance and film. Over 200 people involved in the supply of energy from a power station in the Alps to homes in towns around Venice will be invited to the city to take part in a film that explores the relationship we have with the energy we rely on and the people who supply it.
- A time machine which explores mechanical energy by manipulating mechanisms that rotate perpetually - showing differing versions perception and reality of energy depending on our place in time.
- A huge image of the surface of the Moon will be rendered into a light box and linked to models of forensic architecture that investigate the gravitational relationship between the two and three dimensional worlds.
- Responsibility and issues of chemical energy are explored through the melting of the Polar icecaps and concept of personal and national ownership of air, its purity and source.
- Giant metal curtains will vibrate as air currents produce oscillating sounds as the energy in the metal sings to be used.

FREE AA School symposium 27 August, 13:00 – 00:00hrs, Fondazione Giorgio Cini,

Speakers and timings are below. Speakers biographies at: <http://bit.ly/d45xe0>

Journalists: Members of the press should confirm their attendance with William Kallaway to reserve their space. Contact William on email william.kallaway@kallaway.com or phone 00 44 (0) 20 7221 7883.

Visitors: For the public, FREE tickets are provided on a first come, first served basis. Tickets can be booked before 27 August by emailing beyondentropy@aa.school.ac.uk. Tickets can also be picked up from the entrance to the Fondazione Giorgio Cini from 10:00hrs on 26 August and 27 August.

Timings and speakers

- 13:00 Brett Steele, Director, AA School
- 13:10 Gianfranco Bettin, Regional Councillor, Venice
- 13:20 Hans Ulrich Obrist, Co-Director, Serpentine Art Gallery
- 13:40 Giovanni Anceschi, Professor of Industrial Design, Iuav
- 14:00 Bonnie Camplin, Professor of Film, Stedelschule
- 14:20 Beppe Caccia, Councillor, Venice City Hall.
- 14:40 Joel Newman, Head of AV, AA School
- 15:00 Nikolaus Hirsch, Rector, Stedelschule
- 15:20 Angelo Merlino, Mechanical Engineer, Large Hadron Collider, CERN
- 15:40 Carlo Carraro, President of the University of Venice
- 16:00 Marina Lathouri, Director of Histories & Theories, AA School
- 16:20 Christian Von Doring, Architect, Geneva Architectural Office
- 16:40 Javier Castanon, Diploma Master for Technical Studies, AA School
- 17:00 Joseph Rykwert, Seminar Teacher, Architecture History & Theory, Pennsylvania University
- 17:20 Alessandro Marini, President, Inn Tec
- 17:40 Marco Vanucci, Architecture, AKT
- 18:00 Stefano Boeri, Director, Abitare
- 18:20 Alessandro Beulcke, Organising Committee Member, Festival Dell'Energia
- 18:40 Richard Burdett, Centennial Professor, Architecture & Urbanism, London School of Economics
- 19:00 Marco Baravalle, Curator, Sale Docks
- 19:20 Hans Hollein, Architect, Venice Biennale
- 19:40 Alessio Satta, Executive Director, Conservatoria delle Coste of Sardinia

- 20:00 Arazzi Laptop Ensemble: Istituto per la Musica of the Fondazione Giorgio Cini, Onlus Fondazione Giorgio Cini
- 20:20 Reinier de Graaf, Partner, OMA
- 20:40 Nur Puri Purini, Energy and Commodities Specialist, Intesa Sanpaolo
- 21:00 Antonio Negri, Professor, European Graduate School
- 21:20 Judith Revel, *Lecturer in Romance Languages Literatures, Universite Paris*
- 21:40 Matteo Pasquinelli, Curator & Researcher, Queen Mary University of London
- 22:00 Francesco Garutti, Contributor, Mousse Magazine
- 22:20 Aaron Levy, Executive Director & Chief Curator for Slought Foundation
- 22:40 Shumon Basar, Architect, The AA School

The Participants in Beyond Entropy: When Energy becomes Form

Stefano Rabolli Pansera, Director, Energy as Form, AA School

Stefano Rabolli Pansera graduated with honours from the AA School in 2005 and then worked for two years at Herzog & de Meuron. He has been AA Intermediate 5 Unit Master since 2007 and has lectured in Naples, Seoul, Barcelona, Berlin, Almaty and Cagliari. He is the founder of Rabolli Pansera Ltd, an architectural practice with projects in the UK, Italy and Lebanon. The eight research groups:

<i>Field</i>	<i>Architect</i>	<i>Artist</i>	<i>Scientist</i>
Electric	Vittorio Pizzigoni	Alberto Garutti	Giuseppe Celardo
Mechanical	Shin Egashira	Initial input from Attila Csorgo	Andrew Jaffe
Potential	Julian Loeffler	Peter Liversidge	Roberto Trotta
Mass	Rubens Azevedo	Ariel Schlesinger	Vid Stojevic
Sound	Salottobuono	Massimo Bartolini	Dario Bendetti
Thermal	Ines Weizman	Wilfredo Prieto	David Clements
Chemical	John Palmesino & Ann-Sofi Rönnskog	Nina Canell	Amanda Chatten
Gravitational	Eyal Weizman	Initial input from Carlos Gariacoa	Peter Coles

Biographies for those involved: <http://bit.ly/d45xe0>

The AA School (<http://www.aaschool.ac.uk/>)

The Architecture Association School is the world's most renowned international and influential school of architecture. Since 1847 it has pioneered a belief in architecture as profession, culture and form of human enquiry and is credited with fostering the creation of worldwide leaders of architecture.

AA School alumni include architectural leaders Zaha Hadid, Rem Koolhaas, Lord Rogers, Will Alsop and many others. Through its unique, year-long, unit based system of teaching, direct intervention in cities and its intensively collaborative team based approach to learning, the school brings together disconnected worlds, fresh ideas and inspiring insights. The AA School is celebrated worldwide as an imaginative setting for architectural culture.

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