Singapore Energy Conference

4 – 5 November 2008 Raffles City Convention Centre





Powering Cities of The Future







Organised by:









www.singapore<mark>energy</mark>conference.com

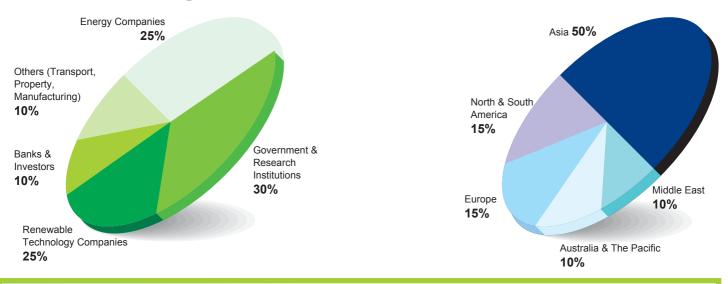
Welcome to the

SINGAPORE ENERGY CONFERENCE

4 – 5 November 2008 • Raffles City Convention Centre, Singapore http://www.singaporeenergyconference.com/

The Singapore Energy Conference is the flagship event of the International Energy Week (3-7 November 2008). It will be a forum for policymakers from government or industry, to engage in dialogue with each other and also with experts and representatives from various research institutes, policy think tanks, and energy industry players and other partners on the challenges, possibilities and solutions to powering cities of the future. Topics will range from climate change policies, sustainable technology, energy efficiency, business risk and opportunities and integrated energy solutions for cities.

Where will the delegates come from?



Programme Highlights

- Singapore Energy Lecture by Minister Mentor Lee Kuan Yew
- Ministerial Dialogue and Keynote Addresses from leading energy experts and officials
- Presentations by industry leaders and multi-national energy companies - including Shell, ExxonMobil, Neste Oil, Keppel and **GHK** Company
- Interactive panel discussions to provide speaker-delegate interaction
- Roundtable discussion forums to develop policy briefs
- Singapore Energy Conference Dinner

REGISTER TODAY!

EVENT Singapore Energy Lecture HIGHLIGHT Delivered by Minister Mentor Lee Kuan Yew

PLUS Hear from

Prof S. Jayakumar, Deputy Prime Minister and Coordinating Minister for National Security, Singapore

Mr S. Iswaran, Senior Minister of State for Trade and Industry, Singapore

Mr Malcolm Wicks, M.P., Minister of State for Energy, United Kingdom

Dr Rajendra Kumar Pachauri, Director-General, The Energy and Resources Institute and Chairman, UN's Governmental Panel on Climate Change (Nobel Peace Prize Winner, 2007)*

Mr Peter Schwartz, Cofounder and Chairman, Global Business Network

Mr Robert A. Hefner, Founder and Owner, GHK Company

Ms Eileen Claussen, President, Pew Center on Global Climate Change and Strategies for the Global Environment*

Prof John Deutch, Institute Professor, Massachusetts Institute of Technology

*Speaker Invited



Tel: (65) 6514 3180

Fax back to: (65) 6733 5087

Web: www.singaporeenergyconference.com

Conference Speakers



Mr Peter Schwartz is the Cofounder and Chairman of Global Business Network, a Monitor Group company, and a partner of the Monitor Group. His current research and scenario work encompasses energy resources and the environment, technology, telecommunications, media, entertainment, aerospace, and national security.



Mr Duncan Macleod is the Vice President in charge of Shell Hydrogen. Mr Macleod has a Shell career spanning three decades working in Venezuela, the Caribbean, Nigeria, Japan and the Netherlands and has held key positions in supply/ trading, M&A, upstream, strategy, Government relations. Mr Macleod was also instrumental in setting-up Shell's biofuels technology ventures with logen in Canada and Choren in Germany.



Dr Richard A. Bradley is the Head of the Energy Efficiency and Environment Division at the International Energy Agency in Paris. Dr Bradley was a senior negotiator for the U.S. on multilateral energy and environment agreements, including: the Framework Convention on Climate Change, the Kyoto Protocol, the NOx Protocol under the Long-Range Transboundary Air Pollution Convention, and the Montréal Protocol.



Mr Risto Rinne is the President of Neste Oil. He is Chairman of the Board of Directors of the Chemicals Industry Federation of Finland, member of the Board of Directors of EUROPIA (the European Petroleum Industry Association) and Chairman of the Board of Directors of the Finnish Oil and Gas Federation.



Mr Justin R. Swift is the Deputy Assistant Secretary for International Affairs in the Office of Fossil Energy for the U.S. Department of Energy. He is responsible for export and import activities within the Office of Clean Coal and the Office of Oil and Natural Gas and Petroleum Technology.



Dr Robert K. Dixon is the Senior Coordinator, National Security Council and Council on Environmental Quality (CEQ) Task Force on Energy Security and Climate Change, Executive Office of the President, The White House. He has previously worked for the International Energy Agency Council on Environmental Quality, U.S. Department of Energy and the U.S. Environmental Protection Agency.

Conference Moderators



Ms Lorraine Hahn most recently presented CNN International's regional chat show, *Talk Asia* and was Anchor of CNN's long running TV programme *Biz Asia*. Prior to joining CNN, Lorraine worked as Anchor/Editor for CNBC, hosting its flagship programmes, NBC Asia's Nightly News, Business Tonight and The Winners.



Mr Malcolm Wicks is the Minister of State for Energy at the Department for Business, Enterprise and Regulatory Reform (BERR) of the United Kingdom. He has served as Minister of State for Science and Innovation and Minister of State for Energy. His keen concern about fuel poverty led him to act as a Trustee of the National Energy Foundation. Mr Wicks has been a Member of Parliament for Croydon North since 1992.



Prof Hadi Dowlatabadi is the Canada Research Chair & Professor in Applied Mathematics and Global Change at the University of British Columbia. He received his PhD in Physics from University of Cambridge (1984). He has focused on public policy of resources and the environment. He is co-founder of Offsetters.ca, CTO of Green-Erg Technologies, and sits on the Board of the Canadian Bioenergy Corporation.



Mr Goh Chye Boon is Deputy Secretary (Special Projects) for the Ministry of Trade and Industry (MTI), overseeing the organization of the inaugural Formula One night race in Singapore. Mr Goh is the Chief Executive Officer of the Sino-Singapore Tianjin Eco-City (SSTEC) and sits on the board of the Economic Development Board of Singapore.



Mr Kenji Kobayashi is the Managing Director of the Institute of Energy Economics, Japan (IEEJ) as well as President of Asia Pacific Energy Research Centre (APERC). Previously, Mr Kobayashi was Executive Director for International Affairs in Japan Oil, Gas and Metals National Corporation (JOGMEC). He has worked for the International Energy Agency and the Japanese Ministry of Trade, Economy and Industry.



Dr Jim Watson is Deputy Director of the Sussex Energy Group at Sussex University in the UK and Joint Deputy Leader of the Tyndall Centre Climate Change and Energy Programme. He conducts research on distributed energy systems, the economics of carbon capture and storage and nuclear power. Dr Watson is a Council Member of the British Institute for Energy Economics and a Specialist Adviser to the House of Commons Environment, Food and Rural Affairs Committee.



Mr Michael Dolan joined Mobil Oil Corporation in 1980 and is currently Senior Vice President of the Exxon Mobil Corporation. Mr Dolan has served as the Middle East and Africa Regional Director of ExxonMobil Chemical Company and Executive Vice President for ExxonMobil Saudi Arabia. Mr Dolan is a Director of the American Chemistry Council, the U.S.-Saudi Arabian Business Council and the Society of Chemical Industry.



Mr Dave Ernsberger is Platts' Senior Editorial Director for Asia, and has been working in Singapore since November 2003. He is a regular speaker on oil and energy issues on Asian TV stations and at industry conferences.

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SINGAPORE ENERGY CONFERENCE PROGRAMME

DAY	ONE • 4 NOVEMBER 2008	1615 Singapore Energy Lecture	
0800	Registration	Minister Mentor Lee Kuan Yew This is the highlight of the Singapore Energy Conference. The	
	Welcome Remarks Mr Chiang Chie Foo, Chairman, Energy Market Authority, Permanent Secretary, Defence and Permanent Secretary, Prime Minister's Office	Minister Mentor, Singapore's leading political figure will share his perspective on the global energy landscape and Singapore's strategy towards achieving environmental sustainability, economic competitiveness and energy security.	
0910	Opening Address	1745 End of Day One	
0910	Prof S. Jayakumar, Deputy Prime Minister and Coordinating Minister for National Security, Singapore	1830 Cocktails 1900 Conference Dinner	
0930	Keynote Address I – Assessing The Energy Landscape	DAY TWO • 5 NOVEMBER 2008	
	For Today And Tomorrow Mr Peter Schwartz, Cofounder and Chairman, Global Business Network	0900 Ministerial Dialogue: Balancing Sustainable Development & Economic Growth	
1000	Tea Break	Chairman: Mr S. Iswaran, Senior Minister of State for Trade and Industry, Singapore	
	ator Day 1: Ms Lorraine Hahn, Former CNN and CNBC Presenter	The session will include Malcolm Wicks M.P., Minister of State for Energy, United Kingdom and other ministers from Asia, Australia and the Middle East who are shaping pivotal energy policies.	
S	ession 1: Sustainable Energy Sources and Technology	1000 Tea Break	
1030	Reviewing Sustainable Energy Sources (Solar, Wind, Wave, Hydrogen and Biofuels)		
	Dr Robert K. Dixon, NSC-CEQ Senior Coordinator for Energy Security and Climate Change Executive Office of the President, The White House	1030 Keynote Address III: Technological Applications For Energy And The Environment Prof John Deutch, Institute Professor, Massachusetts Institute of Technology	
1050	The Grand Energy Transition: From Unsustainable to Sustainable Life and Growth on Earth Mr Robert A. Hefner, <i>Founder and Owner</i> , GHK Company	Session 3: Integrated Energy Solutions To Achieve Sustainability In Cities	
1110	Using Sustainable Energy For Urban Scenarios Mr Duncan Macleod, <i>Vice President</i> , Shell Hydrogen	Moderator Day 2: Mr Dave Ernsberger , <i>Senior Editorial Director of Asia</i> , Platts	
1130	Exploring Developments In Clean Coal And IGCC Technology Mr Justin R. Swift, Deputy Assistant Secretary for International	1100 Climate Change And Energy Security Strategies For Cities Dr Jim Watson, Deputy Director, Climate Change and Energy Programme, Tyndall Centre	
1150	Affairs, Office of Fossil Énergy, U.S. Department of Energy Panel Discussion	1120 Energy Efficient Cities: Policies To Transform Cities Dr Richard A. Bradley, Head of the Energy Efficiency and Environment Division, International Energy Agency	
	Session speakers and Peter Schwartz will examine the current surge in energy demand and discuss new technologies on the horizon. The panel will examine if sustainable energy solutions are viable, the barriers to implementing them and how they can be	1140 Case Study: Developing A Greenfield Sustainable City Mr Goh Chye Boon, CEO, Sino-Singapore Tianjin Eco-City	
1230	integrated.	1200 Urban Transport Energy Use in the APEC Region: Passenger Vehicles, Mass Transit, and Energy Efficiency Improvements	
1330	Keynote Address II – Reducing Our Environmental Footprint And Harnessing Sustainable Energy	Mr Kenji Kobayashi, <i>President</i> , Asia Pacific Energy Research Centre, Japan	
	Dr. Rajendra Pachauri, <i>Director General</i> , The Energy and Resources Institute and <i>Chairman</i> , Intergovernmental Panel on Climate Change*	1220 Panel Discussion Session speakers and Prof John Deutch will examine how climate change policies have led to cities utilizing integrated energy	
	Session 2: Risks and Opportunities for Businesses	solutions from buildings to transportation to improve energy efficiency and achieve sustainability.	
1400	Predicting Future Supply and Demand for Energy Ms Eileen Claussen, <i>President</i> , Pew Center on Global Climate Change and Strategies for the Global	1300 Closing Address Mr S. Iswaran, Senior Minister of State for Trade and Industry Singapore	
1420	Environment*	1315 Lunch	
1420	Renewable Transportation Fuels – A True Option? Mr Risto Rinne, President and CEO, Neste Oil	1430 Roundtable Discussion Forums Delegates can participate in one of the three in-depth	
1440	Adopting Carbon Trading And Green Strategies To Grow Businesses Prof Hadi Dowlatabadi, Associate Director, Institute for	discussions of the major conference themes. Roundtable Discussion Forum I – Sustainable Energy	
	Resources, Environment and Sustainability, University of British Coloumbia	Sources and Technology Chairman: Prof Chou Siaw Kiang, Executive Director, Energy Studies Institute	
1500	Building Operating Efficiency to Meet Growing Energy Demands Mr Michael Dolan, Senior Vice President, Exxon Mobil Corporation	Roundtable Discussion Forum II – Risks and Opportunities for Businesses Chairman: Mr Choo Chiau Beng, CEO and Chairman, Keppel Offshore and Marine and Chairman, Singapore Petroleum Company	
1520	Panel Discussion Session speakers will address Asia's thirst for oil, gas and coal and the shift towards renewable sources. With increasing concern about carbon emissions and the environmental footprint – panellists will discuss how businesses are moving forward.	Roundtable Discussion Forum III – Integrated Energy Solutions to Achieve Sustainability in Cities Chairman: Mr Hashem Akbari, Senior Scientist and Leader of the Heat Island Group, Lawrence Berkeley National Laboratory	
1600	Tea Break	1630 End of Conference	
		Optional Complimentary Networking Dinners held by the Energy	
* Spe	aker Invited	Market Company, SembCorp and Singapore Petroleum Company	

Calendar of Events for the International Energy Week

3 – 7 November 2008

Exhibitions:

www.iew.com.sg

Day	Data	PROGRAMME				
Day	Date	AM	АМ	РМ	РМ	Evening
Mon	3 Nov 08	International Oil Tra Manageme		International Oil Trading and Price Risk Management Course		IEW Welcome Dinner
		Asia Oil and	Gas Summit	Asia Oil and Gas Summit		
Tue	4 Nov 08	Singapore Energy Conference Opening Ceremony	Singapore Energy Conference	Singapore Energy Conference	Singapore Energy Lecture	Singapore Energy Conference Dinner
		International Oil Tra Manageme			ading and Price Risk ent Course	
		Asia Oil and Gas In	vestment Congress	Asia Oil and Gas Investment Congress		
Wed	5 Nov 08			Singapore Energy Conference		Singapore Electricity
		Singapore Energy Conference		Singapore Electricity Roundtable		Roundtable Networking Dinner
				Future Biofuels and Sustainability Workshop		
		International Oil Tra Manageme		International Oil Trading and Price Risk Management Course		SembCorp Networking Dinner
		Asia Oil and Gas In	vestment Congress	Asia Oil and Gas In	Asia Oil and Gas Investment Congress	
		A*STAR UK En	ergy Workshop	A*STAR UK Energy Workshop		
				Site Visit to Power Station		SPC Networking
		Green Buildin	gs Workshop	Green Buildings Workshop		Dinner
Thu	6 Nov 08	Singapore Electr	•			PowerSeraya
		Advanced Price Risk			Management Course	Networking Dinner
		Asia Oil and Gas In	vestment Congress	Asia Oil and Gas In	vestment Congress	
		A*STAR UK Energy Workshop		A*STAR UK Energy Workshop		
		Green Building	s Conference	Green Buildin	gs Conference	
		Seminar on Sustainable Energy – Is This The Tipping Point?		Site Visit to F	Power Station	Senoko Power Networking Dinner
		Biofuels and Food	Security Debate			
		Regional Industry N (RINC) 2008 "Sustaina			letwork Conference able and Clean Energy"	
		Energy Efficiency I	nvestment Forum	Energy Efficiency	Investment Forum	1
Fri	7 Nov 08	Advanced Price Risk	Management Course	Advanced Price Risk	Management Course	
		Green Building	s Conference	Green Buildin	gs Conference	1
		Seminar @ Centre for / Lee Kuan Yew Sch		ExxonMobil Ene	rgy Outlook 2030	Tuas Power Networking Dinner
		Asia Oil and	Gas Summit	Asia Oil and	Gas Summit	
				Site Visit to F	Power Station	
		Regional Industry N (RINC) 2008 "Sustaina			letwork Conference able and Clean Energy"	
Pre-Event: Asia Youth Energy Summit 30						- 0 – 31 October 2008
Energy Week Fuel Cell Community of Singapore Exhibition at Temasek Polytechnic 4 – 5 Nov						– 9 November 2008 – 5 November 2008 – 7 November 2008

4 - 5 November 2008 5 - 7 November 2008

Singapore Energy Conference Delegates are also entitled to complimentary attendance to the IEW Welcome Dinner, Networking Dinners, Exhibitions, Site Visits, A*Star Energy Workshop, Seminar on Sustainable Energy - Is this the Tipping Point?, Regional Industry Network Conference (RINC) 2008 "Sustainable and Clean Energy" and the Biofuels and Food Security Debate.

Ngee Ann Polytechnic Solar Technology Centre Exhibition

For more detailed information or to register for any of the individual International Energy Week events please visit www.iew.com.sg

About the Event Hosts



The Energy Market Authority (EMA) promotes competition in the electricity and gas industry and maintains the security and reliability of the power system. Formed on 1st April 2001, EMA is a statutory board under the Ministry of Trade and Industry that regulates the electricity and gas industry and district cooling services in designated areas.



The Energy Studies Institute is a policy-oriented research institute that seeks to produce independent and high quality research that will stimulate and inform debate on energy issues of key interest to policy makers, industries and the community. ESI's research and analysis are focused on three key areas: Energy Economics, Energy Security, and Energy and the Environment.

Managed by



IBC has managed extremely successful events over the last 30 years, including conferences, seminars and training courses. Our events cover the energy, marine, life sciences, telecommunications, law and banking sectors with over 50,000 customers benefiting from our services worldwide. IBC Energy is a one-stop shop for high-level conferences and training courses for energy professionals.

WHY SINGAPORE?

Singapore is on track to becoming a global clean energy hub, with the Singapore government **committing S\$350 million towards future investment** in research, development and technology.

Singapore aims to grow the clean energy industry **to generate S\$1.7 billion and 7,000 jobs by 2015**, across a broad range of areas, including solar power, fuel cells, wind power, energy efficiency and carbon services.

Singapore is the hub for a number of multi-national energy companies due to its efficient financial and physical infrastructure as well as proximity to major commodity producing and consuming countries in the continent.

Singapore as a MICE destination has all of the facilities that a premier event such as the International Energy Week requires. Substantial hotel and accommodation facilities, an advanced transport infrastructure, bilingual ability and state of the art convention facilities all make Singapore the only location in the region that can represent the vision of the **INTERNATIONAL ENERGY WEEK**.

Accomodation for the Singapore Energy Conference

Strategically located in the heart of Singapore, Swissôtel The Stamford is a luxury hotel that boasts a prime location within business, cultural, shopping and entertainment areas. Singapore Changi International Airport is just 20 minutes away. The Raffles City Convention Centre, where the Singapore Energy Conference will be held, is part of the hotel. As Southeast Asia's tallest hotel, Swissôtel The Stamford offers panoramic views of Singapore, Indonesia and Malaysia.

Arts and Cultural Highlights in Singapore

- Esplanade Theatres On The Bay
- Merlion Park
- Raffles Hotel
- Asian Civilisations Museum
- National Museum of Singapore
- Singapore Art Museum
- Deepavali Celebrations 2008, 20 Sep – 2 Nov 2008
- Singapore Biennale 2008, 11 Sep – 16 Nov 2008
- Magic: "The Science of Illusion" Exhibition, Science Centre, 30 Oct – 28 Feb 2008



About the International Energy Week

3 – 7 November 2008 www.iew.com.sg

Singapore is proud to present the first ever International Energy Week (IEW) from 3 to 7 November 2008. Jointly organised by the Energy Market Authority (EMA) and the Energy Studies Institute (ESI), the IEW will be a week for international and local policy makers, academics, and industry players to exchange and catalyse ideas on energy options and strategies for the future. The Singapore Energy Conference (SEC) will be the focal point of the week's events with presentations and discussions from high-level speakers. With the week's conferences, exhibitions seminars, site visits and hospitality programmes – Singapore hopes to grow and become the centre for developing energy policies and strategies that are key to today's government decision makers.

SPECIAL Singapore Energy Conference Delegates are also entitled to complimentary attendance to the following International Energy Week Events including:

- IEW Welcome Dinner
- Networking Dinners
- Exhibitions
- Site Visits
- A*Star UK Energy Workshop

• Seminar on Sustainable Energy – Is this the Tipping Point?

International Energy Week

Sinaapore

- · Biofuels and Food Security Debate
- Regional Industry Network Conference (RINC) 2008 "Sustainable and Clean Energy"

For more detailed information or to register for any of the individual International Energy Week events please visit www.iew.com.sg



SINGAPORE							
Part of International Part of Energy Week Singapore	CE ENERGY MARKET AUTHORITY	ENERGY Studies Institute					
		VENUE INFORMATION Swissôtel The Stamford, Singapore 2 Stamford Road Singapore 178882 Tel: +65 6338 8585 Fax: +65 6338 2862 Email: jessie.khoo@swissotel.com www.swissotel.com/singapore-stamford					
This label contains your priority booking code. To expedite registration, please do not remove label. If you have already received a copy of this brochure, we apologise. For reasons of confidentiality, yo RESERVE YOUR Yes! I/We will attend Singapore Energy Conference • 4	5 EASY WAYS TO REGISTER Mail the attached registration form with your cheque to IBC Asia (S) Pte Ltd No. 1 Grange Road, #08-02 Orchard Building Singapore 239693 Customer Service Hotline Tel: (65) 6514 3180						
 Yes: I/We will attend Singapore Energy Conference • 4 Yes! I/We are interested in the other International Energy (Please specify) 	•	Tel: (65) 6514 3180 Fax: (65) 6733 5087 E-mail: egister@ibcasia.com.sg					
Delegate 1 Details	Please photocopy for additional delegates	Web:					
Name: Dr/Mr/Ms	Job Title	www.singapoeenergyconfeence.com					
Department	Company	PAYMENT					
Address	Address Postal Code						
Tel	Mobile No	 Payments by S\$ bank draft or cheque should be made in favour of "IBC Asia 					
E-Mail	Main Business/Activity	 (S) Pte Ltd" payable in Singapore. Payment by telegraphic transfer in S\$ must be made to: IBC Asia (S) Pte Ltd 					
Delegate 2 Details	Please photocopy for additional delegates						
Name: Dr/Mr/Ms	ame: Dr/Mr/Ms Job Title						
Department	Company	The Hongkong and Shanghai Banking Corporation Limited 21 Collyer Quay, HSBC Building,					
Address	Postal Code	Singapore 049320 Bank Swift Code: HSBCSGSG Bank Code: 7232					
Tel	Mobile No	 Payment by Credit Card (AMEX, VISA or MASTERCARD). Please provide your Card 					
E-Mail	Main Business/Activity	Number, Name of Cardholder, Expiry Date and your Signature and send it by fax to (65) 6733					
Please tick: I enclose my Cheque/Draft payable to IBC Asia I am paying by bank transfer (copy attached) Payment by Credit Card: Amex	5087. IMPORTANT NOTE: Please quote the name of the delegate, event title and invoice number on the advice when remitting payment. Bank charges are to be deducted from participating organisations own accounts. Please fax your payment details (copy of remittance						
Card Holder:	Signature:	advice, cheque or draft to (65) 6733 5087. Attendance will only be permitted upon					
Card Number:	(Please provide photocopy of front & back of your Credit Card)	receipt of full payment. Participants wishing to register at the door are responsible to					
I cannot attend this event but Please put me on your maili	ensure all details are as published. IBC Asia will not be responsible for any event re-scheduled or cancelled.						
FEE PER DELEGATE (Including Dinner) REGULAR FEE S\$1,300.00 EARLY BIRD FEE S\$1,170.00	FEE PER DELEGATE (Including Dinner) SUPPORTING ORGANISATIONS DELEGATES \$\$1,105.00 (Equivalent to 15% discount off REGULAR FEE) GROUPS OF 5 AND MORE \$\$1040.00	DATA PROTECTION The personal information entered during your registration/order, or provided by you, will be held on a database and may be shared with companies in the Informa Group in the UK and internationally. Sometimes					
(If registration with payment are received before 19 Sep 2008) A 7% Goods & Services Tax (GST) is applicable to all Singapore based companies.	(Equivalent to 20% discount off REGULAR FEE)	your details may be obtained from or shared with external companies for marketing purposes. If you do not wish your details					
Fee includes luncheons, refreshments and complete set of documentation. It does not	to be used for this purpose, please contact the Database Manager Catherine Shen at						
SUBSTITUTION charge will be payable. Registrations cancelled le	will be very welcome in your place. If this is not suitable, a 10% service ss than seven days before the event must be paid in full.	email: catherine.shen@ibcasia.com.sg Ph: +65 6835 5141 or Fax: +65 6734 4053.					
REGISTER NOW! FAX BACK TO (65) 6733 5087							