

2nd Annual

NuclearPower

Balancing Energy Needs, Safety & Security Priorities

21-24 June 2011 • Marina Mandarin Singapore

International Keynotes From:



Alexander Bychkov
Deputy Director General –
Nuclear Energy, **International Atomic Energy Agency (IAEA)**, Austria



Petr Schedrovitskiy
Deputy Director General,
Rosatom, Russia

International Regulatory Agency Heads:

Marie-Claude Dupuis, Chief Executive Officer, **National Agency For Radioactive Waste Management (ANDRA)**, France

Jukka Laaksonen, Director General, **Radiation And Nuclear Safety Authority (STUK)**, Finland

Vincent Nkong-Njock, Senior Nuclear Energy Specialist, **International Atomic Energy Agency (IAEA)**, Austria

Emerging Market Governments and Authorities:

Yang Berusaha Loo Took Gee, Secretary General, **Ministry Of Energy, Green Technology & Water (KETTHA)**, Malaysia

Hudi Hastowo, Chairman, **National Nuclear Energy Agency (BATAN)**, Indonesia

Sodnom Enkhbat, Director General, **Nuclear Energy Agency**, Mongolia

Dinh Ngoc Quang, Director – Legislation and Information Division, **Vietnam Agency for Radiation and Nuclear Safety (VARANS)**, **Ministry Of Science And Technology (MOST)**, Vietnam

Lilian Fernandez, Assistant Secretary, **Department of Energy (DOE)**, Philippines

Nuclear Power Project Developers:

Mohd Zamzam Jaafar, Chief Executive Officer, **Malaysian Nuclear Power Corporation (MNPC)**, Malaysia

Cui Shao Zhang, Deputy General Manager, **Huaneng Group**, People's Republic of China

Dong-Cheol Kim, Project Director, **Korea Hydro & Nuclear Power Company (KHNP)**, Korea

Mauro Marcelo, Manager-in-charge – Nuclear Power Group, **National Power Corporation (NAPOCOR)**, Philippines

Jari Tuunanen, Manager – Nuclear Waste Technology, **Fortum Corporation**, Finland

Vladimir Artisyuk, Director of International Training Centre, **Central Institute for Continuing Education & Training, Rosatom**, Russia

Fuel Cycle Companies:

Chaitanyamoy Ganguly, President, **CAMECO**, India

Selena Ng, Director Southeast Asia & Oceania – Business Development, **AREVA**, Singapore

Acclaimed Thought Leaders and Recognised Technology Innovators:

Lee Won-Jae, Director of SMART Technology Validation, **Korea Atomic Energy Research Institute (KAERI)**, Korea

Himadri Banerji, Former Chief Executive Officer, **Reliance Energy**, India

Hooman Peimani, Head of Energy Security & Geopolitics, **Principal Fellow, Energy Studies Institute (ESI)**, Singapore

Nuclear Power Financiers:

Xavier de Rollat, Director – Corporate and Investment Banking, **Societe Generale**

What's New In 2011?:

- Expanded, tracked programme – choose from breaking market updates or technology, waste and safety sessions.
- High-impact international speaker lineup featuring 22+ top level authorities on nuclear power
- Interface with a board of senior government panelists from across Asia's most exciting emerging markets
- Full assessment of the nuclear fuel cycle – from uranium sourcing to decommissioning, it's all here!
- Power packed technology showcase exploring the best reactors commercialized and the outlook on upcoming technology

Topical & Relevant Issues Addressed:

- Nuclear preventative safety and security maximization
- Latest on Southeast Asian nuclear industry development prospects
- International cooperation and bilateral industry progression
- Advances in nuclear reactor technology, safety methodology and waste management practice
- Proven and possible financing models for nuclear projects
- Understanding and optimizing your nuclear fuel cycle from procurement to decommissioning

PLUS: Comprehensive, high-level add-on days!

Pre-Conference Colloquium

(21 June 2011, 9am-5pm):

Nuclear Power Programme Simulator
Interactive full-day course led by the IAEA

Post-Conference Workshops

(24 June 2011, 9am-5pm):

A: Preventive Nuclear Power Plant Safety and Security

B: Reactor Technology Focus Day

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The **10** Best Reasons to Attend Nuclear Power 2011:

- 1 Government-to-government and government-to-industry interfaces addressing energy needs and policies
- 2 Insightful and challenging new range of topics – 80% uncovered ground!
- 3 15+ CEOs, Presidents, Directors and Chairmen join the distinguished speaker lineup
- 4 30+ presentations on project updates, reactor technology, safety, waste management, risk and financing
- 5 Multiple panel sessions putting seasoned industry heads together on issues like nuclear safety, financing and regional progress
- 6 Maximize value through a choice of technical or commercial content, or bring a team to benefit from all this content in just four days!
- 7 Dedicated nuclear power event, paving the way for Southeast Asia's nuclear renaissance
- 8 A proven history of connecting business partners and opening tender opportunities
- 9 Representation of all key countries pursuing regional nuclear programmes
- 10 An assembly of knowledgeable and influential companies driving worldwide nuclear growth

Get Updated on These Projects:

- **Malaysia's USD 3.1 billion first NPP** – hear from the Malaysian Nuclear Power Corporation
- **Ninh Tuan 1&2**, valued at USD 10 billion – hear from Vietnam's Ministry of Science and Technology
- **27 New Reactors Being Built in China** – hear from China Huaneng Group
- **Bataan** – hear from the Philippines' National Power Corporation (NAPOCOR)
- **Olkiluoto 3&4** – hear from Finland's Radiation and Nuclear Safety Authority (STUK)
- **Bangka Belitung** – breaking news from Indonesia's National Nuclear Energy Agency (BATAN)
- **Korean NPPs**: leading power plants with capacity factors of 96.5% – hear from Korea Hydro & Electric Power Company
- **Loviisa 1 & 2**, excelling in waste management & cost control – Fortum Corporation
- **CIGEO Geological Disposal Project**, first of its kind – hear from France's National Agency for Waste Management (ANDRA)

PLUS: Comprehensive, high-level add-on days!

Pre-Conference Colloquium (21 June 2011, 9am-5pm):

Nuclear Power Programme Simulator

Interactive full-day course led by the IAEA

Post-Conference Workshop (24 June 2011, 9am-5pm):

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Pre-Conference Colloquium

(21 June 2011, 9am-5pm)

Nuclear Power Programme Simulator

Enhancing attendee familiarity with the IAEA milestones guide and real-life necessities for nuclear new build

Course Objectives

The colloquium will generate ideas on how issues are overcome at all stages of approving, building and operating a nuclear power plant. This full-day exercise is designed to take delegates through a hypothetical nuclear power programme based on the 19 steps of the IAEA milestones guide. To ensure maximum accuracy and correct understanding of requirements, IAEA expert Vincent Nkong-Njock will facilitate other industry experts as they discourse on the requirements of nuclear new build.

Co-facilitators:

Dr. Vincent Nkong-Njock, Senior Nuclear Specialist,
International Atomic Energy Agency (IAEA)

Dr. Hooman Peimani, Head of Energy Security & Geopolitics, Principal Fellow,
Energy Studies Institute (ESI), Singapore

Course Agenda

9.00 **Establishing a national position on introducing nuclear power to the energy mix**

- Questions and discussion on challenges faced in other states
- How then would nuclear build be pursued in an ideal world?

Dr. Vincent Nkong-Njock, Senior Nuclear Specialist, International Atomic Energy Agency (IAEA)

10.30 **Coffee & discussion**

11.00 **Preparing the nuclear fuel cycle**

- Assessing uranium markets, technology and waste management options, safeguards and other requirements
- Considerations for the front and back end of the fuel cycle

12.30 **Networking Lunch**

2.00 **Case studies from China**

- Implications for and applicability to other new build
- Cui Shao Zhang**, Deputy General Manager, Huaneng Group, China

3.30 **Coffee & discussion**

4.00 **Preparing human resources and nuclear engineering talent**

- Increasing expertise in safety, technology and waste management through enhancing domestic and imported capability

Prof. Vladimir Artisyuk, Vice-Rector of Science and Foreign Affairs, Central Institute for Continuing Education & Training (CICET), Rosatom

5.30 **Final questions, summary and end of colloquium**

About your facilitator



Dr Vincent Nkong-Njock
Senior Nuclear Specialist,
International Atomic Energy Agency (IAEA)

Vincent Nkong-Njock graduated from French National Polytechnic Institute and the National Institute for Nuclear Sciences and Techniques, France. He is a Senior Nuclear Specialist at the International Atomic Energy Agency (IAEA). For the last 20 years, he has been involved in the nuclear field in the French Atomic Energy Commission as well as in national and international energy institutions. He is now responsible for IAEA support to new States for introducing nuclear power to their energy mix.

Post-Conference Workshops

(24 June 2011, 9am-5pm):

A: Preventative Nuclear Power Plant Safety And Security

Course Description

Preventative safety measures on nuclear power plants avoid incidents and emergencies. Immediate and accurate response during a nuclear reactor incident can be better assured by implementing the most secure measures in technology management and operations.

- Assessing today's technology and its safety factors at various points of operation
- Nuclear safety culture and accident prevention: a look at human resources

Choose from two high-level full-day courses.

B: Reactor Technology Focus Day

Course Description

Attendees will gain a cohesive understanding of what reactors are available, what will be commercialized in the future and what the needs of different markets are.

- Engineering and technical requirements of nuclear reactors in Asia
- Geographical and application appropriateness in commercialised reactors

Your workshop leaders

Deputy Director General, ITER (formerly International Thermonuclear Experimental Reactor)

Lee Won-Jae, Director of SMART Technology Validation, Korea Atomic Energy Research Institute (KAERI)

What the Nuclear Industry thought of Nuclear Power 2010:

"The conference was very well organized and very precise. The content covered a lot of ground."

Ansar Parvez, Chairman,
Pakistan Atomic Energy Commission

"From our point of view, the conference was perfectly organized and useful."

Le Thi Ngoc Quynh, Deputy Directory,
Vietnam Electric (ENV)

8.15 **Registration & Morning Coffee**

9.00 **Opening Remarks from the Chair**

Vincent Nkong-Njock, Senior Nuclear Specialist, International Atomic Energy Agency (IAEA)

Global Advances in Nuclear Power Programs

“It is the success of [countries building or considering new programmes] which will signal the arrival of the nuclear renaissance.”

Alexander Bychkov, Deputy Director General – Nuclear Energy, International Atomic Energy Agency (IAEA)

9.15 **Key Progressions in Nuclear Power Programmes**

- Current status of global nuclear power development
- IAEA perspective on the nuclear renaissance reaching Asia
- What it will take to make Asia a serious player in the global nuclear community
- INPRO (International Project on Innovative Nuclear Reactors and Fuel Cycles) and its role in Asia

Alexander Bychkov, Deputy Director General – Nuclear Energy, International Atomic Energy Agency (IAEA), Austria

“Russia’s technologies which, today, are being widely used throughout the world, have good reputations”

Petr Schedrovitskiy, Deputy Director General, Rosatom – Director, Atomenergoprom

10.00 **Insights from an Industry Leader**

- Views on the nuclear industry’s progress and the benefits for power generators and reactor providers
- 18 reactors in India and other projects: Rosatom’s ongoing projects and future plans
- Best practices in leading the industry
- Working with domestic and international utilities and regulators
- A look at ensuring world-class project delivery

Petr Schedrovitskiy, Deputy Director General, Rosatom – Director, Atomenergoprom, Russia

10.45 **Morning Networking & Refreshment Break**

11.15 **Updates on Key Emerging Markets**

VIETNAM: Opportunities under Vietnam’s Nuclear Master Plan “Decision 906”; and advances in other new nuclear laws in Vietnam

“Ninh Thuan 2 unit 1 is expected to start up in 2021, unit 2 in 2022, unit 3 in 2024 and unit 4 in 2025.” ~ **Nuclear Engineering International**

Dinh Ngoc Quang, Director – Legislation and Information Division, Vietnam Agency for Radiation and Nuclear Safety (VARANS), Ministry of Science and Technology (MOST), Vietnam

INDONESIA: Changes in the ministry structure and plant site selection in Indonesia

“Bangka Belitung Governor Eko Maulana Ali says the province has selected two sites for two nuclear power plants.” ~ **The Jakarta Globe**
Hudi Hastowo, Chairman, National Nuclear Energy Agency (BATAN), Indonesia

MALAYSIA: Malaysia’s nuclear power project report and the new Malaysian Nuclear Power Corporation

“The prime minister... mentioned a time frame of 11-12 years from pre-project to commissioning for Malaysia’s first nuclear plant.” ~ **World Nuclear News**
Yang Berusaha Loo Took Gee, Secretary General, Ministry of Energy, Green Technology & Water (KETTA), Malaysia

PHILIPPINES: Revisiting nuclear energy as a long-term energy security option in the Philippines

“Napocor is part of the team the Department of Energy (DOE) has formed to explore the potential nuclear energy development in the country.” ~ **The Philippine Star**
Lilian Fernandez, Assistant Secretary, Department of Energy (DOE), Philippines

MONGOLIA: Mongolian uranium resources and overcoming environmental problems to enable domestic usage

“Russia is examining the feasibility of building nuclear power plants in Mongolia ...Three sites under consideration are Ulaanbaatar, western Mongolia and Dornod province.” ~ **Minegolia**
Sodnom Enkhbat, Director General, Nuclear Energy Agency, Mongolia

12.15 **Ironing Out Key Issues Raised for Nuclear Power Development**

- PANEL**
- Experiences so far and outlook on site selection
 - Forecast for meeting deadlines around Southeast Asia
 - How do we plan to attract investors? What is the pattern among new nuclear developers looking for financing?
 - What bilateral agreement options are available – who will be the leading non-Southeast Asian player in this region?

Moderator: **Vincent Nkong-Njock**, Senior Nuclear Specialist, International Atomic Energy Agency (IAEA)

Panelists:

Dinh Ngoc Quang, Director – Legislation and Information Division, Vietnam Agency for Radiation and Nuclear Safety (VARANS), Ministry of Science and Technology (MOST), Vietnam

Hudi Hastowo, Chairman, National Nuclear Energy Agency (BATAN), Indonesia

Yang Berusaha Loo Took Gee, Secretary General, Ministry of Energy, Green Technology & Water (KETTA), Malaysia

Lilian Fernandez, Assistant Secretary, Department of Energy (DOE), Philippines

Sodnom Enkhbat, Director General, Nuclear Energy Agency, Mongolia

1.00 **Networking Luncheon**

Choose from two tracks:

TRACK 1: PROJECT UPDATES AND COMMERCIAL OPPORTUNITIES

Session Chair: **Vincent Nkong-Njock**, Senior Nuclear Specialist, International Atomic Energy Agency (IAEA)

2.30 **Safety and Security Factors of Technology to be used at Vietnam’s Nuclear Power Plant**

- Technology choices, safety factors and outlook on waste options
- Outlook for human resources, engineering and technological safety measures that Vietnam will use
- Accordance with Decision 906 on plant and reactor selection

Dinh Ngoc Quang, Director – Legislation and Information Division, Vietnam Agency for Radiation and Nuclear Safety, Ministry of Science and Technology (MOST), Vietnam

3.15 **The 11-12 Year Lead-time on Commissioning a Malaysian Nuclear Power Plant**

- The role of the Malaysian Nuclear Power Corporation (MNPC) in managing the project alongside other state-owned and government bodies
- Outlook on requirements for site identification and decisions so far
- Reactor technology being considered
- Projected investment structures and financing models

Mohd Zamzam Jaafar, Chief Executive Officer, Malaysian Nuclear Power Corporation (MNPC) (tentative), Malaysia

4.00 **Afternoon Networking & Refreshment Break**

4.30 **Delays Encountered and Lessons Learned on the Olkiluoto Nuclear Power Plant**

- Main reasons for delays and problems in Olkiluoto
- Role and responsibility of the Licensee
- Preparedness and resources of the parties
- Schedule for design and engineering work
- Timely qualification of new technologies
- Management of the construction work
- Management of the supply chain
- Licensing and regulatory oversight

Jukka Laaksonen, Director General, Radiation and Nuclear Safety Authority (STUK), Finland

5.15 **Uranium Spotlight: Which Countries are offering what to the Market**

- Uranium stockpiling
- New uranium mining projects
- New operations and outlook on increasing production
- An outlook on uranium spot pricing and long-term deals
- Projected hottest markets in Asia

6.00 **Chairman’s Summary & End of Conference Day One**

TRACK 2: WASTE MANAGEMENT

Session Chair: **Jukka Laaksonen**, Director General, Radiation and Nuclear Safety Authority (STUK), Finland

2.30 **Nuclear Waste Control Standards and Best Practice for Nuclear New Build**

- From fundamentals of radioactive waste management to disposal solutions
- Policies and strategies for nuclear waste
- The French practice and its 40 years experience feedback for new disposal projects
- Radioactive waste disposal facilities in operation
- The CIGEO geological disposal project for high-level and for long-lived radioactive waste

Marie-Claude Dupuis, Chief Executive Officer, National Agency for Radioactive Waste Management (ANDRA), France

3.15 **Waste Disposal Management**

Kaylin Loveland, Head of International Disposal, EnergySolutions, United States of America

3.35 **China Projects & Solid Waste Processing**

Paul Cavanah, Project Director, EnergySolutions, United States of America

3.55 **Afternoon Networking & Refreshment Break**

4.30 **Optimizing Waste Management during Operation through to Decommissioning of Nuclear Power Plants**

- Dynamics of operating the nuclear assembly
- Understanding chemical processes on the plant and necessary waste removal
- Critical control: aging waste management
- Long-term planning for waste management practice
- Methods to reduce costs during long-term waste management plan

Jari Tuunanen, Manager – Nuclear Waste Technology, Fortum Corporation, Finland

5.15 **Front and Back End Uranium Fuel Cycle Improvement**

- Is the world’s identified uranium resources adequate to meet the uranium demand from rapidly expanding nuclear power programmes?
- Multinational approaches to the nuclear fuel cycle – lifetime assurance of fuel supply and proliferation resistance
- Challenges of used fuel management
- Closed fuel cycle and uranium recycling

Chaitanyamoy Ganguly, President, Cameco, India

6.00 **Chairman’s Summary & End of Conference Day One**

8.15 **Registration & Morning Coffee**

9.00 **Summary of Day One and Remarks from the Chair**
Vincent Nkong-Njock, Senior Nuclear Specialist, International Atomic Energy Agency (IAEA), Austria

Nuclear Power Finance

9.15 **Public Private Partnership Models in Financing Nuclear Power Projects**

- Why will foreign capital and finance expertise not work for nuclear in the same way it does for fossil fuel power projects?
- How the government can improve deadlines and attract financing through taking an equity stake in the project
- What are the advantages of the government then taking an ongoing role in management?
- Resultant advantages of risk dispersion
- Remaining currency denominated expenses and domestic equipment and technology purchases needed

Xavier de Rollat, Director of Corporate and Investment Banking, Societe Generale, Malaysia

10.00 **Nuclear Finance Think-Tank**

- De-regulation and increased competition, and its effect on financing new nuclear power projects
- Long construction periods and their effect on lender enthusiasm
- Government guarantees: track record, necessity and potential to attract investors
- Debt and equity financing, combination of entities and other financing schemes to be considered
- Ensuring future customers and electricity demand for a high rate of return
- The question of traditionally structured proposals based on power plants built in regulated markets

Xavier de Rollat, Director of Corporate and Investment Banking, Societe Generale
Himadri Banerji, Former CEO, Reliance Energy – Chairman & Managing Director, EcoUrja, India

10.45 **Morning Networking & Refreshment Break**

Nuclear Power Safety & Risk Management

11.15 **Managing the Risk of a Nuclear Power Project**

- Risk assessment scenario and approaches for nuclear power
- Challenges and issues in risk assessing existing proposed reactor designs
- Consideration of high level uncertainties in the risk study of a nuclear power plant
- Small reactors and risk dispersion

Himadri Banerji, Former CEO, Reliance Energy – Chairman & Managing Director, EcoUrja, India

12.00 **Preventative Safety Measures Panel**

PANEL Insights from around the fuel cycle

- Technological safeguards that are needed
- Necessary human elements and perfecting preventative measures in staff
- Understanding the differences between reactors and the unique safety cultures required
- Fuel rods management and best practices in securing nuclear material through additional containment structures
- Continuous plant safety improvements: updates on the reactor pressure vessel and cooling system, warding against flooding and loss of electricity

12.45 **Networking Luncheon**

Choose from two tracks:

TRACK 1: PROJECT UPDATES AND COMMERCIAL OPPORTUNITIES

Session Chair: **Vincent Nkong-Njock**, Senior Nuclear Specialist, International Atomic Energy Agency (IAEA)

2.00 **Potential for Bataan Nuclear Power Plant to Become the First Operating Nuclear Power Plant in Southeast Asia**

- Description of the plant: technology, site and capacity; known issues, fuel status and predicted lifespan
- Initial structure of the plant: how it was financed and built, and where new investors and partners could come on board were it to go online
- Existing engineering talent and readiness for operation
- Why was it abandoned and what can the Philippines learn from the project?

Mauro Marcelo, Manager-in-Charge – Nuclear Power Group, National Power Corporation (NAPOCOR), Philippines

2.45 **A Look at Nuclear Power Plant Siting Considerations in China**

- How is the plant site decided in terms of local energy needs; environmental impact; safety considerations
- Cooperation with local governments and populace
- Adherence to domestic and international standards for safety and waste management/disposal

Cui Shao Zhang, Deputy General Manager, Huaneng Group, People's Republic of China

3.30 **Afternoon Networking & Refreshment Break**

4.00 **Nuclear Power in Korea**

- Korea's nuclear power story
- Adherence to international standards and government-industry interaction
- The nuclear industry in Korea today and how emerging markets can attain similar expertise
- Outlook for growing Korea's nuclear industry and cooperating bilaterally with other countries

Dong-Cheol Kim, Project Director, Korea Hydro & Nuclear Power Company (KHNP), Korea

4.45 **Strengthening National Nuclear Programmes through Human Resource Improvement**

- Description of nuclear engineering facilities in Russia
- Targets for training nuclear engineers in the country
- Methods to increase recruitment
- Management style and differences with other forms of generation

Vladimir Artsyuk, Director of International Training Centre, Central Institute for Continuing Education & Training, Rosatom, Russia

TRACK 2: REACTOR TECHNOLOGY & SAFETY

Session Chair: **Jukka Laaksonen**, Director General, Radiation and Nuclear Safety Authority (STUK), Finland

2.00 **Reactor Standards Improvement: How Safe is Safe Enough?**

- Nuclear safety – the human versus the technology
- Evolution of safety standards worldwide
- Motivations behind continuous improvement in safety standards

Selena Ng, Director Southeast Asia & Oceania – Business Development, AREVA, Singapore

2.45 **Costing and Benefits Comparison of Reactor Generations 2, 3 and 3+**

- Economic choices for reactors
- Benefits of choosing generation 3+ and 3++ reactors long-term
- Safety and security factors in the reactor design
- Current regulatory context around the world

3.10 **Liquid Waste Processing Technology & Safety**
Timothy Milner, Technology Development Director, EnergySolutions, United States of America

3.30 **Afternoon Networking & Refreshment Break**

4.00 **Efficiency and Safety Factors of the Latest Reactor Technology in Korea**

- Why small and medium reactors?
- Design and Safety Features of SMART Reactor, a 330MWth integral pressurized water reactor both for electricity generation and desalination
- Status of SMART Standard Design Project
- Status of SMART Technology Validation Project
- Perspectives of SMART

Lee Won-Jae, Director of SMART Technology Validation, Korea Atomic Energy Research Institute (KAERI), Korea

4.45 **Progress on the "Tokamak" Concept for a Fusion-based Nuclear Reactor**

- Description of the machine and project
- The impact the Tokamak could have on the use of atomic energy for power generation in terms of efficiency, safety, long-term use
- Commercialization prospects of the Tokamak

Deputy Director General, ITER (formerly International Thermonuclear Experimental Reactor), France

End of Day Two

5.30 **Chairman's Summary & End of Conference**

“The chances are that post-Fukushima, nuclear energy will be safer still.”

Nuclear Energy, post-Fukushima. Editorial, The Business Times. Wednesday, March 16, 2011

Just some of the highlights in this year's excellent programme:

- Emerging market updates from Vietnam, Malaysia, Indonesia, Philippines and Mongolia
- International keynote speakers inaugural to Asia! The IAEA's Alexander Bychkov and Rosatom's Petr Schedrovitskiy share their perspectives
- High-level content on nuclear safety and lessons from Japan
- Technology outlook and expertise from Vietnam, Korea, Finland and France
- Project updates by Rosatom, Malaysian Nuclear Power Corporation, Fortum Corporation, NAPOCOR and Vietnam's Ministry of Science and Technology
- Hear about waste management standards from the CEO of Europe's leading waste management authority ANDRA
- Full examination of the fuel cycle from Cameco India's President
- A combination of lessons learnt on early nuclear renaissance projects such as Olkiluoto, and formulating best practices for identified projects such as Ninh Tuan

Programme at-a-glance

21 JUNE 2011		22 JUNE 2011		23 JUNE 2011		24 JUNE 2011	
Morning	Pre-Conference Nuclear Power Programme Simulator	Plenary Sessions:		Plenary Sessions:		Post-Conference Workshop A: Preventive Nuclear Power Plant Safety and Security B: Reactor Technology Focus Day	
		<ul style="list-style-type: none"> • Global Industry Keynotes • Government Updates • Regulatory Panel 		<ul style="list-style-type: none"> • Financing Models & Risk • PANEL: Banking a Nuclear Power Plant • Plant Safety Panel 			
Afternoon		Networking Luncheon					
		Stream A Project Updates and Commercial Opportunities	Stream B Waste Management	Stream A Project Updates and Commercial Opportunities	Stream B Reactor Technology and Safety		

Formulating Energy Needs, Safety & Security Priorities in Asia

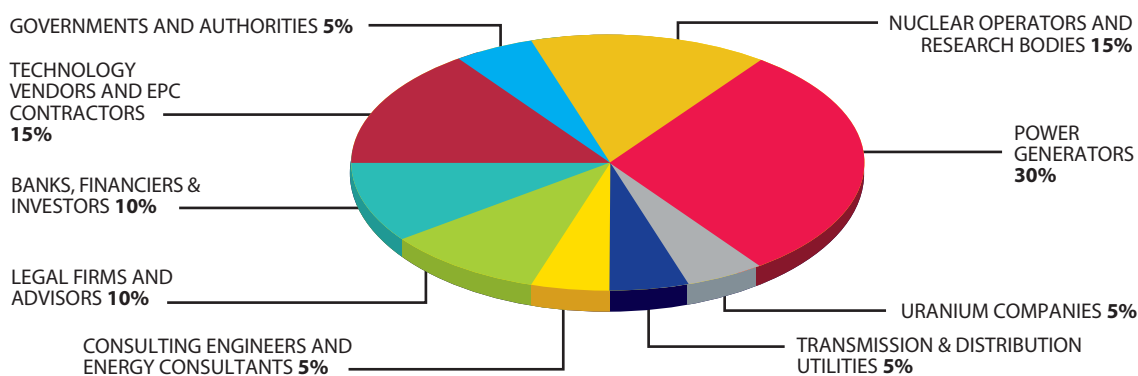
Japan's worst tsunami and earthquake on record damaged nuclear reactors at Fukushima, and impacted the international nuclear industry. Emerging market decisions on pursuing nuclear power must now take this into account, and existing nuclear power plants in the US, Europe and China alongside governmental and global safety authorities are fast re-evaluating safety and security measures in light of unforeseeable natural disasters.

Nuclear power's potential to generate necessary baseload power needed to meet future energy demand – while meeting clean energy targets – will require an "informed and rational energy policy" going forward (Dr. Steve Bennett, qtd. in *The Guardian*, 15 March 2011). Energy policies, risk management, reactor choice and safety, waste management and international safety standards are addressed at this event, enabling constructive discussion on the real necessities of nuclear new build.

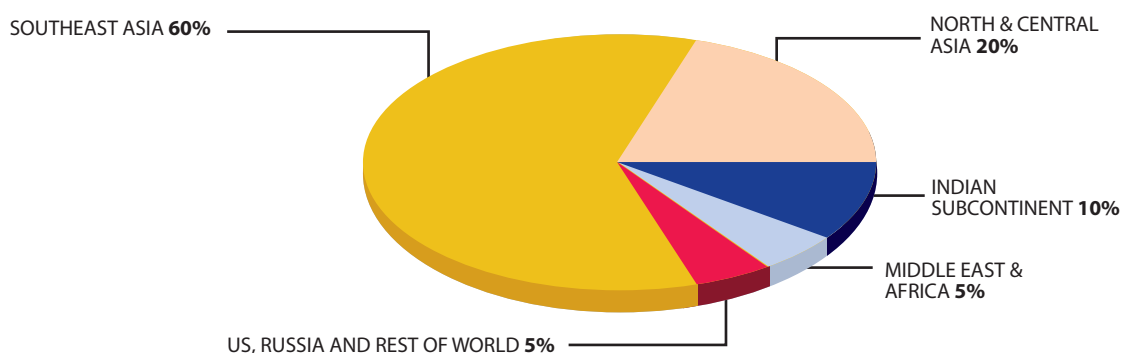
"The chances are that post-Fukushima, nuclear energy will be safer still." 'Nuclear energy, post-Fukushima.' Editorial, *The Business Times*, Wednesday, March 16, 2011.

"This crisis will offer some critical lessons for the industry and help it to enhance the safety features for design, operation and maintenance." Ravi Krishnaswamy, Vice President – Asia-Pacific Energy & Power Systems Practice, Frost & Sullivan, qtd. in 'Nuclear power has its place despite disaster: report.' Ven Sreenivasan, *The Business Times*, Wednesday, March 16, 2011.

Breakdown of Industry Players at Nuclear Power 2011:



Where will Your Contacts Come From this Year?



Be A Sponsor / Exhibitor

The 2nd Annual Nuclear Power Conference will Provide Prime Exposure For:

- Technology suppliers
- Legal firms
- Equipment vendors
- Nuclear service providers
- Engineering consultants
- Contractors
- Engineering, Procurement & Construction firms

As proven at last year's well-received and multiple-sponsored conference, an event like this is a one-stop shop for breaking market updates, exclusive insights and gloves-off discussion of current projects and markets. Combine that with a superior platform for face-to-face networking with new, relevant contacts, and you have an opportunity to reach out to your targeted audience in one location over just four days. Raise your profile among the key players driving the installation of nuclear reactors in Asia, from utilities looking for contractors through to bodies needing advice and consultation.

Sponsorship opportunities cover presentation slots, tabletop exhibitions, special lunches and cocktail receptions, and any number of customized packages. To discuss how best to advance your business prospects in Asia, get in touch with catherine.wong@ibcasia.com.sg at +65 6508 2469 or jonathan.cheetham@ibcasia.com.sg at +65 6508 2430

Get further clued up at www.nuclearpowercongress.com!

A Glimpse of Last Year's Attendance:

- TOKYO ELECTRIC POWER CO (TEPCO)
- ELECTRICITY GENERATING AUTHORITY OF THAILAND (EGAT)
- NATIONAL ATOMIC ENERGY AGENCY (BATAN) INDONESIA
- AREVA
- ELECTRICITY OF VIETNAM (EVN)
- PAKISTAN ATOMIC ENERGY COMMISSION (PAEC)
- WORLD ASSOCIATION OF NUCLEAR OPERATORS (WANO)
- WORLD NUCLEAR ASSOCIATION (WNA)
- MOSCOW POWER ENGINEERING INSTITUTE
- TENAGA NASIONAL BHD
- MINISTRY OF FOREIGN AFFAIRS (MFA) SINGAPORE
- MINISTRY OF TRADE & INDUSTRY (MTI) SINGAPORE
- SWISS REINSURANCE CO LTD
- MALAKOFF CORPORATION BHD
- DSO NATIONAL LABORATORIES
- MINISTRY OF ENERGY GREEN TECHNOLOGY & WATER (KETTHA) MALAYSIA
- MINISTRY OF EDUCATION (MOE) SINGAPORE
- URBAN REDEVELOPMENT AUTHORITY (URA)
- NATIONAL ENVIRONMENT AGENCY (NEA) SINGAPORE
- FULLION HOLDINGS (S) PTE LTD
- CLP POWER HONG KONG LTD
- SIEMENS PTE LTD
- NUCLEAR ENERGY AGENCY (NEA) MONGOLIA
- TENAGA NASIONAL BHD (NUCLEAR ENERGY UNIT)
- EEI CORPORATION
- MINISTRY OF ENVIRONMENT & WATER RESOURCES (MEWR) SINGAPORE
- SAMSUNG C&T CORPORATION
- URENCO ENRICHMENT CO LTD
- BURNS & ROE ASIA LTD
- ENERGY MARKET AUTHORITY (EMA) SINGAPORE
- NUCLEAR RISK INSURERS LTD
- SURUHANJAYA TENAGA (ENERGY COMMISSION) MALAYSIA
- ENERGY STUDIES INSTITUTE (ESI) SINGAPORE
- MILBANK, TWEED, HADLEY & MCCLOY LLP
- HERBERT SMITH LLP
- WORLEY PARSONS
- CH2M HILL
- PILLSBURY WINTHROP SHAW PITTMAN LLP
- LIGHTBRIDGE CORPORATION
- TOSHIBA

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