

THE INTERNATIONAL JOURNAL ON
**HYDROPOWER
& DAMS**

&
NETWORK
Events Limited

Together with Co-Host and
Partner EGAT



are pleased to announce a two-day



**International Symposium
Water Resources and Renewable
Energy Development in Asia**

which will take place on **30 November + 1 December 2006**
MONTIEN RIVERSIDE HOTEL, BANGKOK, THAILAND



“The future of the world will be shaped in Asia...”
- *André Cailé, President of the World Energy Council,*
addressing power utility CEOs from the Asia-Pacific region in 2005.

The countries of Asia with the most rapidly developing economies - China, India, Russia, Vietnam - all have major programmes of water resources and renewable energy development underway. Many other countries in Asia have a vast hydroelectric potential waiting to be developed, and an urgent need to accelerate the development of projects.

About 93,000 MW of hydro capacity is under construction now in more than 30 Asian countries, and more than 210,000 MW more is planned to be implemented in the next 10 years or so. International collaboration between many countries in the region is leading to rapid progress, and represents the pathway to sustainable integrated regional development.

Many current issues specific to the Asian region, relating to planning, finance, technology (design, construction, operation and maintenance, safety), environment and stakeholder communications, will be debated by international experts at this Symposium in Bangkok.

Co-host EGAT has a wealth of experience in developing, maintaining and upgrading its own multipurpose dams, hydro stations and pumped-storage plants, as well as helping its neighbouring countries to develop their hydropower resources through power purchase agreements.

The important role of multipurpose dams and renewable energy schemes, particularly hydropower, in social and economic development will be well reflected at the Symposium.

**Practical ways to develop potential and accelerate socio-economic
development will be discussed in Bangkok.**

Supporting Organizations:



Royal Irrigation Department





Who Should Attend

Planners, owners and operators of dams and hydro plants in all parts of Asia;
 Renewable energy specialists (hydro, tidal, pumped-storage; wind and solar power);
 Design and consulting engineers, including specialist consultants;
 Contractors and experts in special construction techniques;
 Financiers, economists, development agencies;
 Scientists and researchers in fields such as hydrology, geology, sediment management;
 Environmental and social scientists;
 Equipment suppliers for dams and powerplants.



Symposium Objectives

■■■■■ To encourage a constructive exchange of experience between international experts on issues relating to: economic and efficient water resources development schemes; innovative and low-cost construction techniques; integrated regional development; economic and efficient exploitation of renewable energy potential; conflict avoidance through effective public awareness strategies.

■■■■■ To reach practical conclusions and enhance international collaboration, foster partnerships, and improve prospects for the timely implementation of new projects to further social and economic development in the Asian region, and to contribute to poverty alleviation in the less developed Asian countries.



The Venue

Bangkok, with easy direct access from all parts of the world, and particularly from the Asian countries, is an ideal venue for discussions on the Symposium topics. The luxurious Montien Riverside hotel is on the banks of the Chao Praya river, not far from the business district of Bangkok. It is equipped with modern and spacious conference and exhibition facilities.



Session Topics

Renewable energy potential and development

- National assessments and country reports (needs, development potential and plans)
- Current and future role of dams and renewable energy in social and economic development
- Prioritizing new development schemes
- Surveying methods, project identification and planning tools
- Shared waterways, and binational collaboration
- Plans for power trading and regional development
- Feasibility studies and design tools

Economics and finance

- Economic assessment methodologies
- Strategies for project finance (case studies and experience)
- Public/Private partnerships
- Policies of the lending agencies

Environmental and social issues

- Environmental issues: assessment procedures; protecting flora and fauna; water quality
- Social issues: resettlement strategies; preserving cultural heritage
- Communications: conflict avoidance through stakeholder dialogue
- Case studies

Technology: research, engineering and equipment supply

- Site planning: equipment for large job sites; facilities and safety for the workforce
- Problems of challenging logistics - remote access, extreme climate, adverse geology
- Design of civil works to limit/manage sedimentation problems
- Construction materials (concrete technology, including: RCC; use of geomembranes; etc)
- Innovative low-cost civil works
- Floods and earthquakes: prediction, protection, mitigation (including emergency systems)
- Dam and powerplant safety (flood discharge facilities, gateworks, fire protection, seismic design)
- Hydro plant design, construction, operation and maintenance
- Large scale hydraulic machinery: state-of-the-art design; efficiency and economics; silt abrasion resistance; challenges of transportation and assembly
- Small scale schemes and equipment for rural electrification (mini hydro, solar and wind power systems)
- Review of the performance of renewable energy systems
- Pumped storage: role, potential and case studies
- Electrical equipment: recent developments in design
- Monitoring and control of powerplant equipment

International Steering Committee

S. Alam, Consultant, France
Dr E. Bellendir, Director, VNIIG, Russian Federation
Dao Trong Tu, Director of Operations Division. MRC, Laos
Dr Alan Dredge, Colenco, Switzerland
K.B. Dubey, National Thermal Power Corporation, India
Dr Malcolm Dunstan, Director, MD&A, UK
Brian Forbes, GHD Pty Ltd, Australia
M. François, Global Engineering/R&D Director, Alstom Power Hydro
M. Gopalakrishnan, Secretary General, ICID, India
J.H. Gummer, Director, Hydro Consult Pty Ltd, Australia
Prof A.D. Gupta, Asian Institute of Technology, Thailand
C.R. Head, Consultant, UK
Dr J.L. Karmacharya, Nepal
D. Kenneally, Technical Director - Hydropower, SMEC, Australia
Ms Krisanayang, Royal Irrigation District, Thailand
Win Kyaw, General Director Dept of Hydropower, MOEP, Myanmar
Prof R. Lafitte, EPFL, Switzerland
Dr Lam Du Son, Vice President, Electricity of Vietnam
Dr P. Lee, President, ICID
F. Lempérière, Director, Hydro Co-Op, France

B. Leyland, Consultant, New Zealand
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Toyoto Matsuoka, Head of International Affairs, TEPCO, Japan
Niwat Patanasemakul, Director of Hydropower Engineering, EGAT, Thailand
A. Palmieri, Lead Dam Specialist, World Bank
J. Plummer, Senior Financial Analyst, World Bank
T. W. Read, Director, TMI Associates, UK
Chhewang Rinzin, Managing Director, Bhutan Power Corporation
W. Schiefer, Chief, Programme Coordination Section, MRC, Laos
Dr V. Semenov, Consultant OAO Boguchany HES, Russian Federation
N.R. Shrestha, Secretary, Nepal Hydropower Association, Nepal
Dr S. Sparkes, Multiconsult, Norway/Laos
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B. Tardieu, CEO, Coyne et Bellier, France
B. Tribollet, CEO, Nam Theun 2 Power Co., Laos
M.S.D. Tsoy, Chairman, RAO UES, Russian Federation
C.V.J. Varma, President, AESIEAP, India
Prof D.A. Williams, CEO, British Hydropower Association UK
(Others, pending confirmation, will be announced shortly)

Exhibition

A Technical Exhibition will take place alongside the Symposium, in the elegant Chao Praya Room of the Montien Riverside Hotel. This will give hydro experts (international consultants, owners and operators, researchers and manufacturers) the opportunity to demonstrate their expertise to the international participants.

This will provide a unique opportunity to meet key decision-makers from countries of the world with the greatest plans for water resources development schemes, including hydropower.

All lunches and refreshment breaks throughout the event will be served in the Exhibition area, to ensure that participants have plenty of time to view Exhibits during the two days.

The exhibition plan below shows the booked/reserved stands as of February 2006. Exhibition space is sold in units of 6 m², and includes panelling, a table, two chairs, spotlights, flooring and a company name sign. The price for one stand (6 m²) is US\$2400.

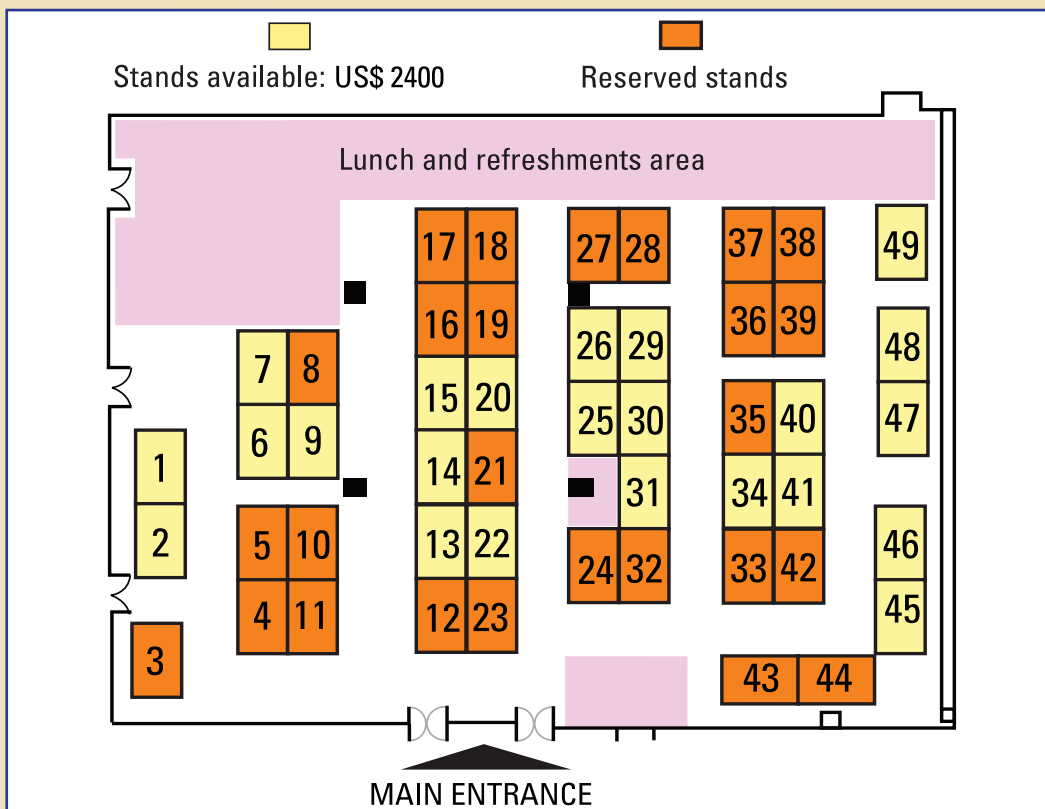
Various opportunities will be available to sponsor social activities, such as apéritifs, lunches, and coffee breaks. This can be a pleasant and memorable way of bringing your organization to the attention of the international participants.

To receive further details of the exhibition and/or sponsorship opportunities, please contact:
Mr Gaël Bozec or Mr Paul Tinton at: Tel: + 44 20 8288 9009 • Email: sales@hydropower-dams.com
Or return the form to: ASIA 2006, Aqua-Media International Ltd, Westmead House, 123 Westmead Road, Sutton, Surrey SM1 4JH, UK or Fax: + 44 20 8643 8200 • Website: www.hydropower-dams.com

Industry sponsors include: **ALSTOM** **COLENCO**

Exhibition stands sold (February 2006)

Alstom Power Hydro, France	www.hydro.power.alstom.com	• 36/37/38/39
Aran International Pty Ltd, Australia	www.aran.com.au	• 18/19
Bieri Hydraulik, Switzerland	www.bierihydraulik.com	• 28
British Hydropower Association and UK Trade & Investment,	www.british-hydro.org	• 4/5/10/11
Carp Tech SA, Switzerland	www.tradeinvest.gov.uk	• 23
Colenco Power Engineering Ltd, Switzerland	www.carpitech.com	• 23
Durham Geo Scope Indicator, USA	www.colenco.ch	• 35
Enerfin Inc, Canada	www.dgsi.info	• 27
GTO Sediment AS, Norway	www.enerfin-inc.com	• 21
IRIS Power Engineering, Canada	www.gtosediment.no	• 44
JSC VostokHydroEnergoStroi, Russia	www.irispower.com	• 43
KTI-Pfersch Kältetechnik GmbH, Germany	www.vges.ru	• 24/32
Minova Carbotech GmbH, Thailand	www.kti-plersch.com	• 8
OJSC Engineering Centre UES, Russia	www.minova-ct.com	• 42
Institute Hydroproject, Russia	www.powereng.ru	• 17
Power Machine, Russia	www.hydroproject.ru	• 17
TMI Associates, UK	www.power-m.ru	• 16
Vriens, The Netherlands	www.vriens-diving.com	• 3
Worthington Products Inc, USA	www.tuffboom.com	• 12
		• 33



Accompanying Persons' Tours

For accompanying persons, a full programme is being arranged, including: a full-day course in Thai cookery (starting with the purchase of ingredients in the market with an expert advisor, tuition at the famous Blue Elephant Cooking School located in a century-old Sino-Portuguese style mansion house, and lunch - including the dishes created during the class); visits to temples, a floating market and a rose garden; and, a trip to the traditional Thai house (now a museum) of Jim Thompson (known as the 'Father of Thai Silk'). There will naturally also be wonderful opportunities for shopping.



Social and Cultural Programme

A social programme is being organized, including a Concert and Reception by the Chao Praya river, to welcome the ASIA 2006 Symposium participants; the Conference Dinner will be hosted by EGAT. An optional excursion to visit the three most interesting temples in Bangkok will be available for all participants on the afternoon of 29 November. The social events will enable delegates to continue technical discussions in a relaxing environment, while experiencing Thai hospitality, culture and fine cuisine. Refreshments and buffet lunches will be available for all participants during the Symposium, in the Exhibition area.



Technical Visit



In collaboration with our supporting organizations, we are planning a Technical Tour to some important dams and hydro plants in the region, which will follow the Symposium.

Plans include a trip to the major Tha Dan RCC dam in the north of the country, as well as some important hydro installations of EGAT such as Bhumibol.

Details will be announced in our next update, shortly. A second Tour option may also be available..



Contact Details

If you would like to be added to our mailing list to receive more information, contact:
Mrs Maria Flintan, **Hydropower & Dams**, Aqua Media International Ltd,
Suite 34, Westmead House, 123 Westmead Road, Sutton, Surrey, SM1 4JH, UK
Fax: + 44 (0)20 8643 8200 • Tel: + 44 (0)20 8643 5133 • Email: bkk2006@hydropower-dams.com
For more information visit: www.hydropower-dams.com

Submission of Abstracts

The Symposium programme will be based on a combination of: country reports from national authorities in various Asian countries; invited lectures on specialist topics; and, papers submitted in response to this Call for Papers - some of which will be published, and others selected for presentation.

Abstracts of up to 500 words, in English, are now invited on the themes listed or related topics. Please mail, fax or email abstracts to the address below. A short CV of each author should be included.

Your abstract should summarize precisely the scope and content of the paper proposed. No artwork is required at this stage. In the case of any project described, please mention its current status or date of completion. If the abstract is sent by email, please incorporate the author's name in the file name.

Please note: abstracts should only be submitted if the author would be able to attend the Symposium (or send a representative). Please obtain any necessary clearance, and check availability to attend before submitting the abstract.

If the paper is accepted, you will be asked to sign a form confirming willingness to attend; it is essential that we

receive this undertaking before allocating time for an oral presentation.

The deadline for receipt of abstracts is Monday 3 April 2006. Authors will be notified in June 2006 whether or not their paper has been accepted for presentation at the Symposium, or for publication in the Proceedings.

Abstracts will be reviewed by two or more experts on our International Steering Committee, and you may be asked to modify some aspects of your proposed paper. As this review process takes some time, we urge you to submit abstracts promptly (if possible well before the final deadline).

Full papers will be required by Wednesday 16 August 2006, and format guidelines will be sent to all authors whose papers are accepted. A hard copy and an electronic file of each final paper will be required. Full papers accepted for the Symposium will be produced on CD.



Water Resources and Renewable Energy Development in Asia

Bangkok, Thailand, 30 November + 1 December 2006

- I am interested in attending the Symposium as a delegate. Please send further details.
- I attach an abstract for consideration. If it is accepted, I or my representative will attend the conference to present the paper.
- I intend to submit an abstract by 3 April 2006.
- My organization may wish to participate in the Exhibition. Please send further details.
- I am interested in sponsorship opportunities. Please send details.
- I would like to subscribe to *The International Journal on Hydropower & Dams*.
(When registering as a delegate I wish to take advantage of the reduced registration fees for subscribers)

Name: Position/Dept:

Organization:

Address:

Country: Email:

Fax: (+ int. code) Tel: (+int. code)

Proposed paper topic:

Return to: ASIA 2006, Mrs Maria Flintan, Aqua-Media International, Westmead House,
123 Westmead Road, Sutton, Surrey SM1 4JH, UK. Fax: + 44 20 8643 8200.

Email: bkk2006@hydropower-dams.com

