

February, 2010



International Centre
for Hydropower

Newsletter

In this newsletter

- 1 International Course Programme
- 2 Workshop - Conditioning
Monitoring and Maintenance
Planning of Francis turbines.
- 3 Hydropower '10

International Course Programme

Hydropower and the Environment

31 May-17 June 2010

Application Deadline, 19 March 2010

Contractual and Legal Framework in Hydropower Development

30 August-3 September 2010

Application Deadline 5 April 2010

Small Hydropower Resources

27 September- 2 October 2010

Application Deadline 5 April 2010

Risk Management in Hydropower Development

25-29 October 2010

Application Deadline 21 June 2010



Den norske UNESCO-kommisjonen

For more information regarding our course programme

Please visit www.ich.no . or contact:

laura@ich.no

In this picture Glacier at Spitzbergen, and other Norwegian Beauty!



Workshop on Condition Monitoring and Maintenance Planning of the Francis Turbines was held for TANESCO employees at Kidatu Power Plant in, Tanzania on 8th -12th February.



The workshop was an eye opener and proved very fruitful in identifying the areas that can and should be improved for the efficient maintenance planning and operation of turbines – (Francis). Various testing methodologies for condition monitoring were demonstrated, and solutions found to existing unit problems and challenges.

Lack of specialised knowledge and limited technical skills were highlighted as the main obstacle to improvement, implementation and development of maintenance strategies.



It was clear that the knowledge gained and exchanged through the online course and the workshop boosted the participants' confidence and they felt more empowered and capable to employ preventative, corrective and routine maintenance plans & strategies. This allows them to:

- make the correct diagnosis,
- perform repairs without inducing faults
- plan for procurement challenges
- take a more pro-active approach to maintenance

If you require us to put together a tailor-made programme for your organisation on this course series, please contact

cm@ich.no

For more information:

www.ich.no

elearning.ich.no

- carry out frequent inspections and tests in order to detect at an early stage any changes in the functionality of a component.
- establish target values and acceptance criteria
- improve and develop maintenance - administration systems and decision support systems
- ensure proper documentation, easy retrieval of relevant documents and continuous evaluation of maintenance.

Through this training, we hope that TANESCO will be able to further improve its current maintenance routines and strategies, and implement a standardisation of its maintenance programmes adapted to the challenges faced in everyday operation of its power plants.



*TANESCO course participants
Kidatu, February 2010*

ICH is already looking into further collaboration projects with TANESCO and the African region energy sector.

HYDROPOWER 10

6th International Conference on Hydropower.

Tromsø 1-3 February 2010

We express gratitude to all speakers, sponsors, delegates, partners, exhibitors and the committee for making Hydropower' 10 a great success. Special thanks to our sponsors – NORAD, Norwegian Ministry of Petroleum and Energy, SINTEF, BKK, TrønderEnergi, EnergiNorge, Norplan, NVE, SN Power, SWECO, Norconsult, TROMS KRAFT & Jacobsen Elektro.

A truly global representation at the Tromsø conference with over 140 participants from 26 countries representing Africa, Asia, North America, South America, Australia, and Europe.



Highlights included the keynote address by Professor Terje Tvedte the writer/creator of the film series "A journey in the history of Water", a focus on Value added maintenance of Hydropower plants – New coated runner at Cahua in Peru, Aspects of climate change amongst others and Hydropower development – SHP development including an IEA workshop as a side event.



Professor Terje Tvedte addressing the delegates

The Professor D.K. Lysne's award for the best thesis at NTNU's Hydropower Development Masters Programme was presented to Maclenan Guy Nyang'wa from Malawi.



Maclenan receives his award from Hilbjørg Sandvik (Co-ordinator of the Hydropower Development Masters programme at NTNU)

Some of the papers presented at the conference will be appearing in The International Journal on Hydropower & Dams. The conference papers will be made available at our website www.ich.no

Next International conference is planned for Costa Rica 2012. Details will be published in due course and we at ICH look forward to seeing you there!

ICH Celebrating Cultural Diversity

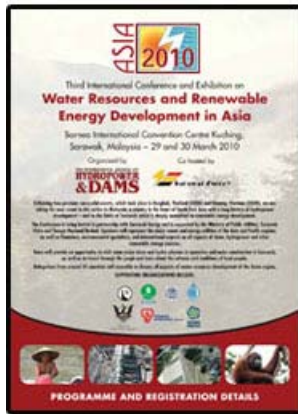
*Talking one Common Language... with
Common Key Words:*

*Clean Energy, Sustainable Development,
Environmentally Friendly, Interdisciplinary,*

To fulfill.....

A Common Goal:

ICH supporting other International Events



<http://www.hydropower-dams.com/>



<http://www.hydroevent.com/index.html>



<http://www.powergenasia.com/index.html>



<http://www.power-gen-middleeast.com/index.html>



<http://www.renewableenergyworld-asia.com/index.html>