



## Announcement

# Cigré NGN and UPEC 2009 combined visit and tutorial Glasgow, 31 Aug. – 1 Sept.

### 31 August – NGN technical visit to Cruachan Power Station

Cruachan is a 400 MW pumped-storage power station owned by Scottish Power. "Cruachan power station was constructed between 1959 and 1965. It was the first reversible pump storage hydro system to be built in the world." ([www.visitcruachan.co.uk](http://www.visitcruachan.co.uk))

**Directions to the plant:** the postcode is [PA33 1AN](#)

#### Agenda:

13:20	Arrival – Parking available at the visitor centre
13:30	Technical presentation and power plant tour
16:00	End

**Cost:** this visit is free for Cigré NGN members

**Registration:** please send an email to [helen.johnson@areva-td.com](mailto:helen.johnson@areva-td.com) before 19 August. Please mention your name, affiliation (company / university) and a contact email address and phone number for each participant. (available spaces will be allocated on a first come first served basis according to the Cigré NGN policy)

### 1 September – UPEC tutorial: Powering the Low Carbon Future: Technology Challenges and Prospects

From 1<sup>st</sup> to 4<sup>th</sup> September, the 44th International **Universities' Power Engineering Conference** ([www.upec2009.org](http://www.upec2009.org)) will take place in **Glasgow**. On the first conference day, an exciting **tutorial** on low carbon power sources will be held and represents a unique opportunity to hear presentations from a selection of experts and to engage in discussion with them. Topics covered will include offshore wind, next generation nuclear fission, carbon capture and storage, tidal stream generation, wave generation and prospects for nuclear fusion and will conclude with a discussion of policy and implementation issues.

**Cost for Cigré NGN members:** participation in the **tutorial only** is **£95**. Special discounted registration to **UPEC** for NGN members (full programme including tutorial, main technical sessions, lunches and social events) is **£245**. For both the tutorial and the full UPEC programme **register in advance** through the UPEC secretariat to gain the discount: [secretary@upec2009.org](mailto:secretary@upec2009.org) (Make sure to state that you are a CIGRE NGN member and to quote your membership number). On-site registration will be possible, but advance registration is strongly advised to ensure the availability of a sufficient number of handouts.

#### Tutorial agenda:

08:00	Registration desk opens
10:00	Start of the tutorial (incl. lunch break)
17:00	End

#### List of tutorial speakers at time of going to press

<i>Offshore wind</i>	<b>Prof. Bill Leithead</b> , Director, Wind Energy Systems Centre, University of Strathclyde
<i>Next generation nuclear fission</i>	<b>Prof. Tim Abram</b> , Westinghouse Professor of Nuclear Fuel Technology, University of Manchester
<i>Carbon capture and storage</i>	Representative from <b>Doosan Babcock</b>
<i>Tidal stream generation</i>	<b>Alan Mortimer</b> , Director of Innovation, SP Renewables
<i>Wave generation</i>	Representative from <b>Aquamarine Power</b>
<i>Nuclear fusion</i>	<b>Stephen Shaw</b> , Engineering Analysis Leader, UKAEA
<i>Energy policy issues</i>	<b>David Rennie</b> , Energy Markets Division, Scottish Government

#### The full UPEC conference (from 1 to 4 September) programme includes sessions on:

- power system planning, operation, stability and control
- power system protection
- power electronics and their applications
- power quality
- high voltage engineering
- condition monitoring
- machines and drives
- electricity markets
- impacts of renewables
- microgrids
- eCars
- energy storage
- photovoltaics
- transport application
- power engineering education and training