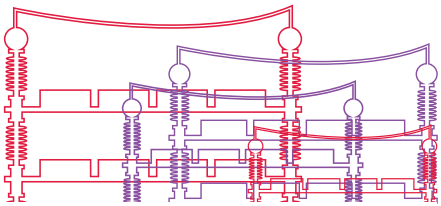
IET Events
The Institution of Engineering and Technology

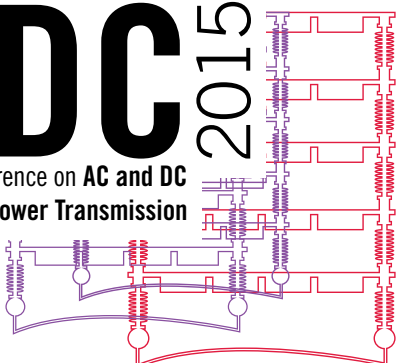
ACDC

10 - 12 February 2015
Birmingham, UK



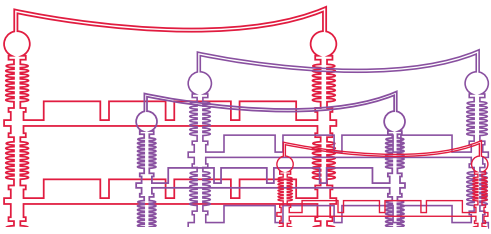
ACDC 2015

Conference on **AC and DC Power Transmission**



ACDC

Conference on **AC and DC Power Transmission**



10 - 12 February 2015
Birmingham, UK

Make your name - submit your abstract by 22 May 2014

About ACDC 2015

This is your chance to be part of a conference programme showcasing the latest international research and results in AC and DC power transmission.

Over 200 system owners and operators, regulators, consultants, academics and equipment suppliers are expected to attend, so if you are a transmission specialist with new research to share with the industry, submit your abstract today to be part of it!

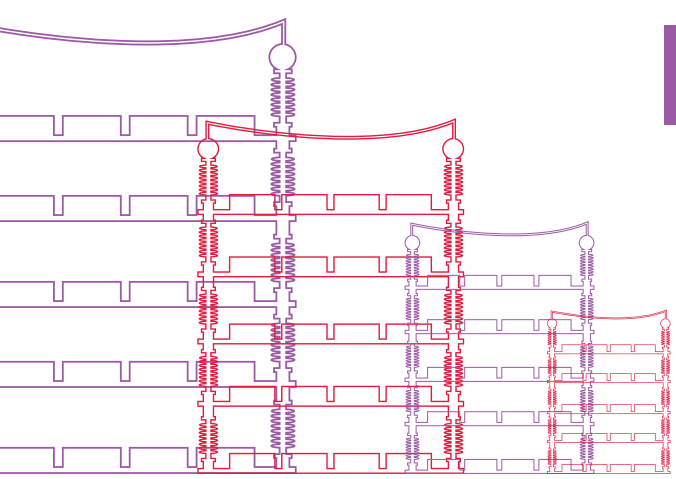
Benefits to successful authors include:

- an oral or poster presentation slot in the programme
- your full paper published in the conference proceedings
- submitted for indexing on Inspec and IEEE Xplore
- a preferential registration rate
- selected authors may also be filmed for publication on IET.TV

All that is required at this stage is a 1-page abstract. Successful authors will be invited to submit a full paper of up to seven (7) A4 pages for publication.

How to submit an abstract

Submit your abstract online by 22 May 2014 at **www.theiet.org/acdc**



CALL FOR PAPERS

CPD HOURS

This event can contribute towards your Continuing Professional Development (CPD) as part of the IET's CPD monitoring scheme.

➔ Submit your abstract online at **www.theiet.org/acdc** **#IETacdc**

Supported by

Media partners

Supporting sector

Technical Scope

Recent important projects

- HVDC interconnector projects, updates on current leading edge projects
- VSC HVDC projects and recent technological developments in this area including DC breakers and associated protection methods
- Multi-vendor, Multi-terminal - issues that would allow this to work, functional descriptions, standards for multi-terminal behaviour, details and solutions
- Comparison of classic HVDC and VSC transmission including advantages and disadvantages and appropriate circumstances for their use
- Recent and significant FACTS projects - series compensation on Scottish border, smart grid point of view
- Transmission technologies and techniques being adapted and utilised in distribution networks
- Technological developments in FACTS, including series compensation

Looking ahead - developments over the next five years

- HVDC, FACTS and series compensation projects and technologies
- Hybrid LCC and VSC DC transmission
- Renewable power and AC/DC connections
- DC array collector systems for offshore wind farms
- Offshore wind farms - practical applications, offshore coordination reports
- Power flow control and flexible power flow control devices
- Quantifying the benefits of VSC converters to AC system operation
- Low frequency AC for offshore connections

Future innovation and international projects

- Energy storage at a large scale to support the transmission system
- The DC offshore grid system and its functional set up including multiple offshore DC interconnections
- UHV AC and DC
- DC interconnectors
- The “Mediterranean grid”/ Trans-European Supergrid
- DC network system innovation to improve the performance of distribution networks (below 33kV)
- Innovations in FACTS devices to improve voltage control on distribution networks (below 33kV)

Real implications and applications

- Subsea and underground cables
- Semiconductor advances
- Blackstart experience with HVDC
- Reliability and redundancy including reliability analysis
- Efficiency improvement and design efficiency cost savings
- AC offshore

Key dates

Abstract submission deadline	22 May 2014
Author notification	w/c 14 July 2014
Final paper submission deadline	24 October 2014

For more information

w: www.**theiet.**org/acdc **t:** +44 (0) 1438 765 651 **e:** eventsa2@theiet.org