

Joint Publication of
CSEE and IEEE
(Online Open Access)
CSEE JPES

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The CSEE Journal of
Power and Energy Systems
The Chinese Society of
Electrical Engineering

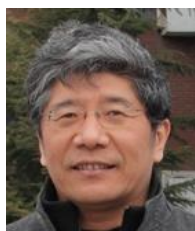
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Important Dates

Full paper Submission
Thursday, April 30th, 2015
Final decision notification
Friday, July 31st, 2015
Publication of Special Issue
Wednesday, September 30th, 2015
China Electric Power Research
Institute Press

Call for Papers

Special Issue on “AC & DC Ultra High Voltage Technologies”

Over the past decade, UHV technologies have been rapidly developed and successfully applied to the long-distance heavy power transmission. Three 1000kV AC and six 800 kV DC transmission projects have come into service in China. For example, the Huainan-Shanghai 1000kV/8000 MW AC double-circuit transmission line with 649 km length and the Haminan-Zhengzhou 800kV/8000 MW DC transmission line with 2210 km length begun to operate in 2013 and 2014 respectively. Recently, several UHV projects are construed in China. Meanwhile, some developing countries, such as India and Brazil, also pay close attention to UHV technologies as they play a key role in meeting the demand of long-distance heavy power transmission. The UHV technologies are related to numerous technical topics of overhead transmission lines and equipment. Moreover, other potential technical approaches, such as half-wave-length AC transmission lines, gas insulated lines, and VSC-HVDC et. al, also are suggested to use for UHV heavy power transmission. This Special Issue will focus on the latest research and development in UHV technologies.

Topics of interest of this Special Issue include, but are not limited to the following aspects of AC & DC Ultra High Voltage Technologies:

- Corona discharge and its environmental effects of UHV overhead transmission lines, substation, and converter station: electric field, radio interference, audible noise, etc.
- Transient voltages and protection of UHV overhead transmission lines and equipment: lightning, switching, etc.
- Insulation systems and diagnostics of UHV equipment: insulator, transformer, GIS, reactor, series compensator, converter transformer, converter valve, etc.
- Other potential technical approaches and applications: half-wave-length ac transmission, GIL, DC cable, VSC-HVDC, etc.

This Special Issue solicits original work on AC & DC Ultra High Voltage Technologies that must not be under consideration for publication in other venues. Full papers are solicited for reviews. Authors should refer to the CSEE JPES author guidelines at http://www.csee.org.cn/data/CSEE_JPES/ for information about content and formatting of submissions. Authors can download the template at:

http://www.csee.org.cn/data/CSEE_JPES/CSEE_TEMPLATE.docx

Submission Format and Guidance

All submitted papers must be clearly written in excellent English and contain only original work, which has not been published by or is currently under review for any other journal or conference. Papers must not exceed 8 pages (two-column, at least 11pt fonts) including figures, tables, and references. A detailed submission guideline is available as “Guide to Authors” at:

<https://mc03.manuscriptcentral.com/cjpes>

All manuscripts and any supplementary material should be submitted via the ScholarOne system of CSEE JPES. The authors must give a reference “SI: AC & DC Ultra High Voltage Technologies” in the submission cover letter. The CSEE JPES website is located at:

http://www.csee.org.cn/data/CSEE_JPES/

All papers will be peer-reviewed by three independent reviewers. Requests for additional information should be addressed to the guest editors.