Transition of the Electricity System from conventional generation to a dispersed and/or RES system

Currently electricity systems are facing a transition caused by several different reasons, e.g. a growing trend in renewable generation development which most of them have intermittent nature, a change of transmission systems from pure AC to hybrid AC/DC-Systems, the development of special protection schemes, overhead lines with partial undergrounding and others. This paper focuses on the transition of the electricity system caused by the ongoing penetration of RES.

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PAPER

POSITION

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Motivation