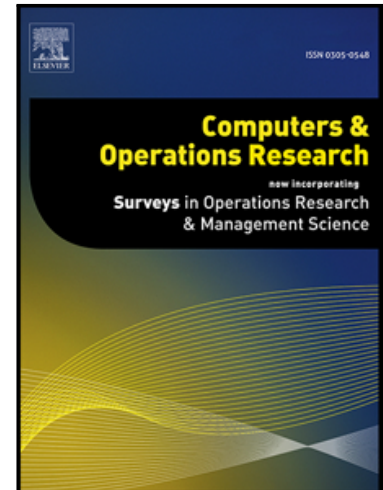


## Accepted Manuscript

Load-Frequency Control in a Multi-Source Power System Connected to Wind Farms through Multi Terminal HVDC Systems

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**Highlights**

- This paper addresses the wind farm contribution in frequency control during the integration in the power grid.
- The wind farm utilizes inertia control and droop control techniques for improving the frequency regulation.
- Different constraints are considered for thermal and hydro units with the aim of studying a more realistic system.
- Simulation results are presented in order to assess the performance of the proposed approach in the power system.

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