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Selected Scholarly Contributions [Data Provided by **SCOPUS**]

[A divide-by-difference-filter based algorithm for estimation of generator rotor angle utilizing synchrophasor measurements](#)  
*IEEE Transactions on Instrumentation and Measurement*, 59 (6), pp. 1562-1570, 2010.

[Adaptive wavelet neural network-based fast dynamic available transfer capability determination](#)  
*IET Generation, Transmission and Distribution*, 4 (4), pp. 519-529, 2010.

[An approach to promote frequency regulation service in India](#)  
*International Journal of Energy Sector Management*, 4 (1), pp. 6-23, 2010.

[Optimal PMU placement method for complete topological and numerical observability of power system](#)  
*Electric Power Systems Research*, 2010. Article in Press.

[Phasor-assisted hybrid state estimator](#)  
*Electric Power Components and Systems*, 38 (5), pp. 533-544, 2010.

[An improved phasor assisted state estimator](#)  
*2009 IEEE Power and Energy Society General Meeting, PES '09*, 2009.

[Optimal PMU placement to ensure system observability under contingencies](#)  
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[WAMS assisted frequency and voltage stability based adaptive load shedding scheme](#)  
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[An improved Prony method for identifying low frequency oscillations using synchro-phasor measurements](#)  
*2009 International Conference on Power Systems, ICPS '09*, 2009.

[Dynamic ATC enhancement through optimal placement of FACTS controllers](#)  
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[Strategic bidding and risk assessment using genetic algorithm in electricity markets](#)  
*International Journal of Emerging Electric Power Systems*, 10 (5), 2009.

[The water-deficit stress- and red-rot-related genes in sugarcane](#)  
*Functional and Integrative Genomics*, pp. 1-8, 2009. Article in Press.

[Adaptive distance relaying scheme in presence of UPFC using WAMS](#)  
*2009 IEEE/PES Power Systems Conference and Exposition, PSCE 2009*, 2009.

[Reactive power cost allocation by using a value-based approach](#)  
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[An integrated approach for optimal frequency regulation service procurement in India](#)  
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[Development of a fuzzy rule based generalized unified power flow controller](#)  
*European Transactions on Electrical Power*, 19 (5), pp. 702-717, 2009.

[Assessment of oscillatory stability constrained available transfer capability](#)  
*International Journal of Electrical Power and Energy Systems*, 31 (5), pp. 192-200, 2009.

[Ascorbic acid sensor based on molecularly imprinted polymer-modified hanging mercury drop electrode](#)  
*Materials Science and Engineering C*, 29 (4), pp. 1082-1087, 2009.

[Optimal placement of unified power flow controller based on system loading distribution factors](#)  
*Electric Power Components and Systems*, 37 (4), pp. 441-463, 2009.

[Ancillary Services Management Policies in India: An Overview and Key Issues](#)  
*Electricity Journal*, 22 (1), pp. 88-97, 2009.

[Pros and cons of existing frequency regulation mechanism in Indian power industry](#)  
*2008 Joint International Conference on Power System Technology POWERCON and IEEE Power India Conference, POWERCON 2008*, 2008.

[Impact of TCPAR on cluster-based congestion management using improved performance index](#)  
*Iranian Journal of Electrical and Computer Engineering*, 7 (2), pp. 89-97, 2008.

[A wavelet based approach for classification and location offaults in distribution systems](#)  
*Proceedings of the INDICON 2008 IEEE Conference and Exhibition on Control, Communications and Automation*, 2, pp. 488-493, 2008.

[Dynamic available transfer capability computation using a hybrid approach](#)  
*IET Generation, Transmission and Distribution*, 2 (6), pp. 775-788, 2008.

[A distribution automation system simulator for training and research](#)  
*International Journal of Electrical Engineering Education*, 45 (4), pp. 336-355, 2008.

[A hybrid approach toward security-constrained reactive power planning in electricity markets](#)  
*Electric Power Components and Systems*, 36 (6), pp. 649-663, 2008.

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