

Reference List

- [1] Kundur P. (1994). Power System Stability and Control. McGraw Hill.
- [2] J. C. Chow, R. Fischl, and H. Yan, “On the evaluation of voltage collapse criteria,” *IEEE Transactions on power Systems*, Vol. 5, No. 2, May 1990.
- [3] N. Hosseinzadeh, “Power system blackouts: lessons learned,” Proc. of the *Australasian Universities Power Engineering Conference*, 2005.
- [4] A. Domijan, “Power Con 2003- Special theme: blackout,” Proc. of the *Ninth IASTED International conference*, Dec 2003.
- [5] J. J. Grainger and W. D. Stevenson, Power System Analysis, McGraw-Hill Inc., New York, 1968.
- [6] J. A. Momoh, Y. V. Makarov, W. Mittelstadt, “A framework of voltage stability assessment in power system reliability analysis,” *IEEE Transactions on Power Systems*, Vol. 14, No. 2, pp. 484 - 491, 1999.
- [7] S. Rakibuzzaman, M. Nadarajah ,B. Ramesh, Y. Lee Kwang, L. Abraham, “Influence of Large-scale PV on Voltage Stability of Sub-transmission System”, Article in International Journal on Electrical Engineering and Informatics· March 2012.
- [8] Long term Transmission Development Plan-2018-2027, Transmission Planning Division, Ceylon Electricity Board, Sri Lanka
- [9] Long term Generation Expansion Plan-2020-2039, Transmission and Generation Planning Branch, Ceylon Electricity Board, Sri Lanka
- [10] N.R.H. Abdullah; I. Musirin; M. M. Othman, “Static VAR Compensator for Minimising Transmission Loss and Installation Cost”, Article in Australian Journal of Basic and Applied Sciences· April 2010.
- [11]Continental Control Systems, Reactive Power, “Continental Control Systems,” Boulder CO, USA, 2012. [Online]. Available from: <http://www.ccontrolsys.com>
- [12] NCT-TECH, “Power Factor Improvement,” Principles of Power System, pp. 101-126. [Online]. Available from: <http://www.ncttech.edu>.

- [13] A. Adel Mohamed, & B. Venkatesh (2018). Line-Wise Power Flow and Voltage Collapse. *IEEE Transactions on Power Systems*, 33(4), 3768–3778.
- [14] T. J. Miller, *Reactive Power Control in Electric Systems*. New York: Wiley, 1982.
- [15] A. Hammad and B. Roesle, “New roles for static Var compensators in transmission systems,” *Brown Boveri Rev.*, vol. 73, pp. 314–320, Jun. 1986.
- [16] N. Grudinin and I. Roytelman, “Heading off emergencies in large electric grids,” *IEEE Spectr.*, vol. 34, no. 4, pp. 43–47, Apr. 1997.
- [17] Chopade, P., Bikdash, M., Kateeb, I., & Kelkar, A. D. (2011). Reactive power management and voltage control of large Transmission System using SVC (Static VAR Compensator). *2011 Proceedings of IEEE Southeastcon*.
- [18] C. Corvin, “Slac Synchronous Condenser,” Stanford Linear Accelerator Center, Sanford University, Stanford, CA 94309 USA. [Online]. Available from: <http://epaper.kek.jp>
- [19] Igbinovia, F. O., Fandi, G., Svec, J., Muller, Z., & Tlusty, J. (2015). Comparative review of reactive power compensation technologies. *2015 16th International Scientific Conference on Electric Power Engineering (EPE)*.
- [20] IEEE, “Proposed terms and definitions for flexible AC transmission system (FACTS),” *IEEE Xplore digital library*, October 1997. ISSN 0885-8977
- [21] G. N. Hingorani, L. Gyugyi, “Understanding FACTS. Concepts and Technology of Flexible AC Transmission Systems,” New York: IEEE Press, 2000. pp. 432. ISBN 0-7803-3455-8.
- [22] Rajpoot PS, Rajpoot SC, Singh DK. Power system stability improvement using FACTS devices. *Int J Sci Eng Technol Res* 2014;3:2374–9.
- [23] Hingorani NG. High power electronics and flexible AC transmission system. *IEEE Power Eng Rev* 1988.
- [24] IEEE Power Engineering Society/CIGRE, *FACTS applications*, Publication 96TP116-0, IEEE Press, New York; 1996.

- [25] Saravanan, M. , Slochanal, S. M. R. , Venkatesh, P. and Abraham, P.S. , 2005. “Application of PSO Technique for Optimal Location of FACTS Devices Considering System Loadability and Cost of Installation”, Power Engineering Conference, Vol. 21, pp.716 -721
- [26] Sadaiappan S, Renuga P, Kavitha D., “Modeling and simulation of series compensator to mitigate power quality problems”, Int J Eng Sci Technol 2010;2(12):7385–94.
- [27] E. Rakhshani, K. Rouzbehi, A. J. Sánchez, A. C. Tobara and E. Pouresmaeil, “Integration of Large Scale PV-Based Generation into Power Systems: A Survey”, Energies 2019, 12, 1425.
- [28] Mahela OP, Shaik AG, Gupta N., “A critical review of detection and classification of power quality events”. Renew Sustain Energy Rev 2015; 41:495–505.
- [29] Velamuri S, Sreejith S. Powerflow analysis incorporating renewable energy sources and FACTS devices. Int J Renew Energy Res 2017;7(1):452–8.
- [30] Crow ML. Power quality enhancement using custom power devices. IEEE Power Energy Mag 2004;2:50.
- [31] Static VAr Compensator. CIGRE WG 38-01, Task Force No.2 on SVC, 1986.
- [32] N.S. Chauhan , N. V. Srikanth and B.V. Kumar , “optimal placement of svc to minimize loss and improve voltage profile under power system contingency using GA,”Proc 5th SARC-IRF International Conf., New Delhi, India 2014.
- [33] Mathur RM, Basati RS. Thyristor-based FACTS controllers for electrical transmission systems. IEEE Press Ser Power Eng 2002.
- [34] J. Dixon., 'Reactive power compensation strategies', State of-the Art Review'' IEEE, vol 93(12),2005,JPROC 2005.859937
- [35] Final Report: Investigation of Total Failure of the Transmission System, Public Utilities Commission of Sri Lanka (PUCSL), Manitoba HVDC Research Centre, March 2016.

- [36] R. Alves, M. Montilla, and E. Mora, "Increase of voltage stability and power limits using a static var compenstor". Universidad Simón Bolívar- Caracas, Venezuela, and Universidad de Los Andes-Mérida, Venezuela. [Online]. Available from: <http://www.icepq.com>.
- [37] E. Acha, V.G. Agelidis, O. Anaya-Lara and T.J.E. Miller, “Power Electronic Control in Electrical Systems,” Elsevier Ltd, ISBN: 978-0-7506-5126-4, pp. 178-188, 2002.
- [38] O. L. Bekri , M.K. Fellah “The Static Var Compensator (SVC)Device in the power systems Using Matlab/Sim Power Systems”, ICEEA’08 – International Conference on Electrical Engineering and its Applications, May 20 & 21,2008.
- [39] Dr. L. N. Widanagama Arachchige, Prof. J. R. Lucas, Ms. M. S. Nakandala Final Report “Generation Cost Optimization through a Network Stability Study”, July 2016.
- [40]"PSS/E 33.1.1 Program Application Guide Volume 2," Siemens Power Technologies International, 2012.