

List of Publications:

Journal publication

1. **Bikash Patel**, Parthasarathi Bera, Sunita Halder nee Dey, “A Novel Method to Distinguish Internal and External Faults during Power Swing,” *IEEE Transaction on Power Delivery*, DOI 10.1109/TPWRD.2020.3023026. (Impact factor 3.681)
2. **Bikash Patel**, Parthasarathi Bera, Sunita Halder nee Dey, “Differential Voltage Based Fault Detection During Power Swing,” *IET Gener. Transm. Distrib.*, 14(1): 157-165, **January 2020**. (Impact factor 3.229)
3. **Bikash Patel**, “A new technique for detection and classification of faults during power swing,” *Electric Power System Research* 175, **October 2019**, 105920. (Impact factor 3.022)
4. **Bikash Patel**, Parthasarathi Bera, “Fast Fault Detection During Power Swing on a Hybrid Transmission Line Using Wavelet Packet Transform,” *IET Gener. Transm. Distrib.*, 13(10): 1811-1820, **May 2019**. (Impact factor 2.618)
5. **Bikash Patel**, Parthasarathi Bera, “Detection of Power Swing and Fault During Power Swing Using Lissajous Figure,” *IEEE Transaction on Power Delivery*, 33(6): 3017-3027, **December 2018**. (Impact factor 3.218)
6. **Bikash Patel**, “A new FDOST entropy based intelligent digital relaying for detection, classification and localization of fault on the hybrid transmission line,” *Electric Power System Research* 157: 39-47, **April 2018**. (Impact factor 2.668)
7. **Bikash Patel**, Parthasarathi Bera, Binoy Saha, “Wavelet Packet Entropy and RBFNN Based Fault Detection, Classification and Localization on HVAC Transmission Line,” *Electric Power Components and Systems*, 46(1):15–26, **March 2018**. (Impact factor 1.25)

Conference publication

1. **Bikash Patel**, Parthasarathi Bera, Sunita Halder nee Dey, “Detection of Faults and Faulty Phases on a Double Transmission Line during Power Swing,” International Conference on Nanotechnology & Nanomaterials for Energy And Environment (ICNNEE2019), October 18–19, 2019, at JIS college of Engineering, Kalyani, India.

2. Arkadeep Mondal, Sayan Das and **Bikash Patel**, "Fault Detection During Power Swing Using Fast Discrete S-transform," **Computational Advancement in Communication Circuits and Systems**, proceedings of 2nd International Conference on CACCS, November 23–24, 2018, Narula Institute of Technology, Agarpara, Kolkata, India, Springer 2020, pp. 73–80.
3. Sayan Das, Arkadeep Mondal and **Bikash Patel**, "Detection and Classification of Faults on the Transmission Line Using Lissajous Figure," **Computational Advancement in Communication Circuits and Systems**, proceedings of 2nd International Conference on CACCS, November 23–24, 2018, Narula Institute of Technology, Agarpara, Kolkata, India, Springer 2020, pp. 81–88.
4. Kamrul Hasan Mallick, **Bikas Patel**, Parthasarathi Bera, "WPD and RBFNN Based Fault Location Estimation on TCSC Based Series Compensated Transmission Line," **Computational Intelligence, Communications, and Business Analytics**, proceedings of 2nd international conference, CICBA 2018, 27-28 July 2018, Kalyani Govt. Engg. College, Kalyani, India, Springer 2019, pp. 425–433.
5. Manini Sarkar, Abdul Rahim, **B. Patel**, "Fault Localization on the Transmission Line using FDOST and RBFNN," **Advances in Communication, Devices and Networking**, proceedings of International Conference on Communication, Devices & Networking, 2-3 June 2018, Sikkim Manipal Institute of Technology, Sikkim, India, Springer 2019, pp. 71-78.
6. A. Sarkar, **B. Patel**, "RBF Neural Network Based Wavelet Packet Energy Aided Fault Localization on a Hybrid Transmission Line," **Advances in Communication, Devices and Networking**, proceedings of International Conference on Communication, Devices & Networking, 3-4 June 2017, Sikkim Manipal Institute of Technology, Sikkim, India, Springer 2018, pp. 807-815.
7. B. Saha, **B. Patel**, P. Bera, "DWT and BPNN Based Fault Detection, Classification and Estimation of Location of HVAC Transmission Line," 2016 International Conference on Intelligent Control Power and Instrumentation (ICICPI), 21-23 October 2016, Kolkata, W.B., India.
8. **B. Patel**, "Transmission line fault characterization using wavelet tool and comparison with symmetrical component technique," National conference on Energy System Planning, Implementation and Operation (ESPIO 2011), 19th August 2011, JIS College of Engineering, Kalyani, W.B., India.
9. **B. Patel**, S. Das, M. Roy, C. K. Roy, "Simulation of Ferroresonance with Hysteresis Model of Transformer at No-load Measured in Laboratory," TENCON 2008, 19-21 November 2008, University of Hyderabad, India.
10. S. Das, **B. Patel**, M. Roy, C. K. Roy, "development of a solid state point-on wave selector switch for energization of non-linear circuit," National Power Electronics Conference 2007 (NPEC 2007), 16-19 December 2007, IISc Bangalore, India.