

DR. PRATYAY KONAR

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EDUCATIONAL QUALIFICATIONS

- Successfully completed the PhD viva at Indian Institute of Engineering Science and Technology, Shibpur for the degree of Doctoral of Philosophy in Engineering (November, 2016).
- Successfully completed 2 Years Master Degree (M.E) in Electrical Machines from Bengal Engineering & Science University, Shibpur in 2009.
- Successfully completed 4 Years Bachelor's Degree in Electrical Engineering (B.TECH EE) from Asansol Engineering College in 2007.

AWARDS & ACHIEVEMENTS

- Awarded **Senior Research Fellowship (SRF)** from **Council of Scientific & Industrial Research (CSIR)** in the year 2010.
- Received **GATE Scholarship** from **MHRD, GOVT. of India** in the year 2007.

SUBJECTS OF INTEREST

- Basic Electrical Engineering
- Electrical Machines
- Power System-I
- Network Theory

PROFESSIONAL EXPERIENCE

- Assistant Professor at Modern Institute of Engineering and Technology, Bandel, from January, 2016 till date.
- Visiting Faculty at Techno India, Saltlake from September-December, 2014.

PUBLICATIONS

INTERNATIONAL JOURNALS

- **P. Konar** and Dr. P. Chattopadhyay, “Bearing Fault Detection of Induction Motor using Wavelet and Support Vector Machines (SVM)”, *Applied Soft Computing*, vol. 11, 2011, pp. 4203–4211 (Citation 110).
- **P. Konar**, Dr. P. Chattopadhyay, “Feature Extraction Using Wavelet Transform For Multi-Class Fault Detection of Induction Motor”, *Journal of the Institution of Engineers (India): Series B*, vol. 95. No. 1, 2014, pp 73-81 (Citation 6).
- **P. Konar**, Dr. P. Chattopadhyay, “Multi-Class Fault Diagnosis of Induction Motor Using Hilbert and Wavelet Transform”, *Applied Soft Computing*, vol. 30, 2014, pp. 341–352. (Citation 4).
- **P. Konar**, Dr. P. Chattopadhyay, “Knowledge Extraction using Data Mining for Multi- Class Fault Diagnosis of Induction Motor”, *Neurocomputing*, vol. 166, 2015, pp. 14–25. (Citation 3).

NATIONAL AND INTERNATIONAL CONFERENCE

- P. S. Panigrahy, S. Mitra, **P. Konar**, P. Chattopadhyay, “FPGA Friendly Fault Detection Technique for Inverter Fed Induction Motor” 2nd International Conference on Control, Instrumentation, Energy & Communication (CIEC-2016), January 28 - 30, 2016, pp. 299-303.
- P. S. Panigrahy **P. Konar**, P. Chattopadhyay, “Application of Data Mining in Fault Diagnosis of Induction Motor” IEEE First International Conference on Control, Measurement and Instrumentation (CMI-2016), January 8-10, 2016, pp. 274 – 278.
- **P. Konar**, P. S. Panigrahy, P. Chattopadhyay, “Tri-Axial Vibration Analysis using Data Mining for Multi class Fault Diagnosis in Induction Motor” Mining Intelligence and Knowledge Exploration (MIKE 2015), Volume 9468 of the series Lecture Notes in Computer Science pp 553-562. 2015
- P. S. Panigrahy, **P. Konar**, P. Chattopadhyay, “Broken Bar Fault Detection using Fused DWT-FFT in FPGA Platform”, International Conference on Power, Control and Embedded Systems (ICPES-2014), December 28-29, 2014
- **P. Konar**, Dr. P. Chattopadhyay, “Mechanical Fault Diagnosis of Induction Motor using Hilbert Pattern”, IEEE First International Conference on Condition Assessment Techniques in Electrical Systems (CATCON-2013), pp 202 – 206.
- **P. Konar**, M. Saha, Dr. J. Sil, Dr. P. Chattopadhyay, “Fault Diagnosis of Induction Motor Using CWT and Rough-Set Theory”, IEEE Symposium on Computational Intelligence in Control and Automation (CICA-2013), pp. 9-15.
- **P. Konar**, S. Bhawal, M. Saha, Dr. J. Sil, Dr. P. Chattopadhyay, “Rough Set based Multi-Class Fault Diagnosis of Induction Motor using Hilbert Transform”, International Conference on Communications, Devices and Intelligent Systems (CODIS – 2012), pp. 337 – 340.
- S. Verma, **P. Konar** and Dr. P. Chattopadhyay, “A Wavelet- Based Fault Localization in Transmission Network” International Conference on Energy, Automation and Signal (ICEAS-2011), 2011.
- **P. Konar** and Dr. P. Chattopadhyay, “Shaft orbit pattern recognition for fault diagnosis of Induction motor using Neural Network”, 5th Indian International conference on Artificial Intelligence (IICAI-2011), pp.
- **P. Konar**, P. S. Pohan, R. Bandyopadhyay, Dr. P. Chattopadhyay, “A Hybrid Park-ANN approach in fault detection of Induction Motor”, International Conference on Electrical Power and Energy System (ICEPES-2010).
- **P. Konar**, P. S. Pohan and Dr. P. Chattopadhyay, Soft Computing Application in Fault Detection of Induction Motor, International Conference On Modeling, Optimization, And Computing (ICMOC 2010), AIP Conference Proceedings, Volume 1298, pp. 600-605.
- C.Panda, V.Garlapti, **P. Konar**, Dr. P. Chattopadhyay, “A Hybrid Wavelet–ANN Approach in Transformer Protection”, International Conference on Advances in Recent Technologies in Communication and Computing (ARTCom-2010), pp. 217 – 219.

- **P. Konar**, R. Bandyopadhyay and Dr. P. Chattopadhyay, “Bearing Fault Detection of Induction Motor using Wavelet and Neural Networks”, 4th Indian International conference on Artificial Intelligence (IICAI-2009), pp. 798-809.