

RESUME



Mr. Sandip Kumar Ojha
Assistant Professor, Department of Electrical Engineering
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Education

Examination	Institute\University	Result	Year of Passing
PhD (Electrical)	*Registration done at Jadavpur University Guide: Prof. Sivaji Chakravorti		
M.TECH (Embedded System)	Haldia Institute of Technology	81%	2008
B.TECH (Electrical Engineering)	Haldia Institute of Technology	71.7%	2006

Examination	Board / Council	Result	Year of Passing
Higher Secondary	W.B.C.H.S.E.	69.7%	2002
Madhyamik Examination	W.B.B.S.E.	70.25%	2000

Teaching Experience (3)

Name of Institute	Position Held	Period
Haldia Institute of Technology	Lecturer	01/08/2007 - 20/05/2008
Haldia Institute of Technology	Assistant Professor	22/05/2008 - 08.09.2013 (AGP=6000/-)
Haldia Institute of Technology	Assistant Professor	08.09.2013 - Till Date (AGP =7000/-)

Research Work (2)

- “Correlating Dielectric And Chemical Techniques For Comprehensive Condition Monitoring of Complex Insulation Systems”**
Worked as CO-PI
Duration : 2013-2016
Funding : CSIR
Amount : Rs 7, 30,833/-
- “Application of advanced dielectric testing techniques for interpretation of polarization phenomena in moisture estimation and prediction of useful remaining life of composite insulation.”**
Worked under PI – Prof. Prithwiraj Purkait

Duration : 2009-2011
Funding : DST
Amount : Rs 19, 44,000/-

Mentoring of Engineering Teachers by INAE Fellows

Mentor: Prof. Sivaji Chakravorti
Institute: Jadavpur University
Duration: 15th July 2014 to 15th September 2014
Title of Research work: “*Development of an Equivalent Model of Transformer Insulation based on Dielectric Relaxation Physics for Accurate Interpretation of Dielectric Test Results*”

Field of specialization

Fault Diagnosis and Condition Monitoring of Power Transformer

Courses Taught / Teaching (5)

Electrical Machines
Electrical Circuits & Networks
Power System
Control System
Electrical and Electronics Measurement

Laboratories Developed (3)

Electrical Machines Laboratory
Basic Electrical Engineering Laboratory
Electrical Measurement Laboratory

Administrative Activities (8)

Job Title	Organization	Period
MAKAUT Exam Supervisor	Haldia Institute of Technology	2017
Departmental Program Coordinator for NBA	Haldia Institute of Technology	2017
Branch counselor of IEEE HIT STUDENT BRANCH	Haldia Institute of Technology	2014-2016
Member of Departmental routine committee	Haldia Institute of Technology	2014-till date
Member of Community Development service	Haldia Institute of Technology	2014-2016
Reviewer of Publication Committee	Haldia Institute of Technology	2014-till date
Member of student welfare Committee	Haldia Institute of Technology	2011-2016
Convener of photography Club	Haldia Institute of Technology	2015-till date

Professional Society Activity

Member of IEEE, USA 2011-Till date

Research Publication (12)

Publications in IEEE Journal

1. S. K. Ojha, P. Purkait, and S.Chakravorti, “Modeling of Relaxation Phenomena in Transformer Oil-Paper Insulation for Understanding Dielectric Response Measurements”, IEEE Transactions on Dielectrics and Electrical Insulation, Vol. 23, No. 5, pp. 3190 – 3198, 2016.
(DOI: 10.1109/TDEI.2016.7736885)

Publications in IEEE and other International Conference

1. S.K.Ojha, P.Purkait, B.Chatterjee, D.Dey, and S.Chakravorti, "An Attempt to Identify Temperature Dependent Non-Linear Insulation Characteristics From Dielectric Response Measurement," 16th National Power system conference, High voltage and Insulation, pp. 530-535, Dec, 2010.
2. S. K. Ojha, P. Purkait, and S.Chakravorti, "An Attempt to Identify Voltage Related Non-Linearities of Transformer Insulation from Dielectric Response Measurements", in Proc. IEEE. TENCON, Bali, pp. 848-852, 2011.
3. S.K.Ojha, P.Purkait, and S.Chakravorti, "Understanding the effects of moisture equilibrium process on dielectric response measurements for transformer oil-paper insulation systems", in Proc. IEEE International Conference on Power and Energy (ICPEN), NERIST, Arunachal Pradesh, India, pp. 1-6, 28-29 Dec, 2012
4. S. K. Ojha, P. Purkait, and S.Chakravorti, "Understanding the Correlation between Dielectric Response Measurement Results and Equivalent Circuit Pole Locations of a Transformer Oil paper Insulation System", in Proc. IEEE 1st. Int. Conf. Condition Assessment Techniques in Electrical Systems, Jadavpur, India, pp. 174-179, December, 2013.
5. S.K.Ojha, P.Purkait, and S.Chakravorti, "In Search of More Effective Ways of Representing Dielectric Test Data for Condition Assessment of Transformer Insulation", in Proc. IEEE. 11th India Conference on Emerging Trends and Innovation in Technology (INDICON), Pune, pp. 1-6, 2014.
6. S. K. Ojha, P. Purkait, S.Halder, S.Mandal, P.Acharya, S.Mondal, A.K.Mondal and S.Chakravorti, "Comparative Study of Dielectric Response Functions for Characterizing Time Domain Polarization Process in Transformer Insulation" in Proc. IET International Conference on Power-Control-Automation, Kolkata, India, September, 2015.
7. S. K. Ojha, P. Purkait, and S.Chakravorti, "A Comparative Study of Conductivity and Moisture for Condition Assessment of Oil-Paper Insulation of a Transformer", IEEE 2nd International Conference on Condition Assessment Techniques in Electrical Systems 2015 (CATCON 2015), Bengaluru, India, December, 2015
8. S. K. Ojha, P. Purkait, Anchit Kumar, Asif Sultan, Indrajeet Kumar, Jayant Kumar Singh and Satyam "Studies on Frequency Domain Spectroscopy of Transformer Insulation Considering Distributed Relaxation Process", Paper submitted to 3rd International Conference on Foundation and Frontiers in Computer, Communication and Electrical Engineering (C2E2 2016), Mankundu, India, January, 2016
9. S. K. Ojha, P. Purkait, and S.Chakravorti, "Thermodynamic Equilibrium of Transformer Oil-Paper Insulation – An Experimental Study", in Proc. 3rd IEEE Uttar Pradesh Section International Conference on Electrical, Computer and Electronics (09-11 December, 2016), IIT(BHU), Varanasi.
(Awarded as the best paper and won 1st prize)*
10. S. K. Ojha, P. Purkait, and S.Chakravorti, "Evaluating the Effects of Lower Molecular Weight Acids in Oil-Paper Insulated Transformer", Submitted at IEEE CATCON 2017 and accepted

11. P. Purkait, S. K. Ojha, and S.Chakravorti “Cole-Cole Representation of Transformer Oil-paper Insulation Dielectric Response” Submitted at IEEE CATCON 2017 and accepted

Personal Profile

Date of Birth

21st May 1983.

Address of Communication

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