

Curriculum Vitae

Dr. Murli Manohar

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 Department of Electrical Engineering
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I. PROFESSIONAL/ INDUSTRY/ RESEARCH EXPERIENCE:

S. No.	Teaching/ Research	Name & address of employer	Post held	From	To
1.	Teaching	B.I.T. Sindri Dhanbad, Jharkhand	Assistant Professor	30/12/2022	Till Date
2.	Research	Indian Institute of Technology (ISM) Dhanbad, Jharkhand under DST (SERB) Sponsored Research Project	Junior Research Fellow	23/12/2020	14/02/2022

II. EDUCATIONAL QUALIFICATION:

Exam Passed	Specilization	Institute	Board/University	Passing Year	% Marks
Ph.D	Engineering	Indian Institute of Technology (ISM), Dhanbad	Indian Institute of Technology (ISM), Dhanbad	2022	N/A
M.Tech	Power System	Indian Institute of Technology (ISM), Dhanbad	Indian Institute of Technology (ISM), Dhanbad	2015	80.90%
B.E.	Electrical & Electronics Engineering	RKDF Institute of Science and Technology, Bhopal	Rajiv Gandhi Proudयोगiki Vishwavidyalaya, Bhopal	2012	76.19%

III. PUBLICATIONS

(a) Paper published in International Journals: 03

S. No.	Title of Paper	Author(s)	Name of the Journal	Vol., No., Pages	Year
1.	A resilient current sensor fault tolerant strategy for vector-controlled induction motor drive	S. Das and M. Manohar	<i>IEEE Trans. Emerg. Sel. Topics Power Electron</i>	Early Access (DOI: 10.1109/JESTPE.2022.3179319)	2022
2.	Direct torque controlled induction motor drive using modified five-level torque controller for reduction in torque ripple	M. Manohar and S. Das	<i>IET Power Electronics</i>	Vol. 12, No. 4, 2018, pp. 1885 – 1892	July 2020
3.	Current sensor fault-tolerant control for direct torque control of induction motor drive using flux-linkage observer	M. Manohar and S. Das	<i>IEEE Transactions on Industrial Informatics</i>	vol. 13, no. 6, pp. 2824 - 2833	Dec. 2017

(b) Paper published in International Conference: 05

S. No.	Title of Paper	Author(s)	Name of the Conference	Year
1.	Current sensor fault-tolerant control of induction motor driven electric vehicle using flux-linkage observer	M. Manohar and S. Das	<i>IEEE Transportation Electrification Conference & Expo (ITEC), Chicago, USA</i>	2020
2.	A robust current sensor fault detection scheme for sensorless induction motor drive,"	M. Manohar and S. Das, R. Kumar	<i>IEEE PES Asia-Pacific Power and Energy Engineering Conference (APPEEC'2017), Bangalore, India</i>	2017
3.	Adaptive Quadratic Interpolation for Loss Minimization of Direct Torque Controlled Induction Motor Driven Electric Vehicle	S. Das, A. Pal, and M. Manohar	<i>IEEE 15th International Conference on Industrial Informatics (INDIN'2017), Emden, Germany</i>	2017
4.	Sensorless control of grid-connected doubly-fed induction machine drive using model reference adaptive controller	R. Kumar, S. Das and M. Manohar	<i>2016 IEEE Uttar Pradesh Section International Conference on Electrical, Computer and Electronics Engineering (UPCON' 2016), Varanasi, India</i>	2016
5.	Combined Speed and Rotor Resistance Estimation for Speed Sensorless Induction Motor Drive Using Reactive Power Based MRAS	M. Manohar and S. Das	<i>Michael Faraday IET International Summit (MFIS 2015), Kolkata, India</i>	2015

IV. MEMBERSHIP/ FELLOWSHIP OF PROFESSIONAL SOCIETIES

[1] IEEE Member.

[2] Reviewer of Reputed Journals.

V. WORKSHOP/SHORT TERM COURSE ATTENDED:

S. No.	Name of Course	Department & Institute	Platform	Duration	Year
1.	Propulsion Systems for Electrical and Hybrid Vehicle	Department of Mining Machinery Engineering, IIT (ISM) Dhanbad	Online	Two-days	2021
2.	FPGA Controllers for Electrical Power Applications	Visvesvaraya National Institute of Technology	Online	One Week	2021
3.	Development of Effective Communication and Presentation and Communication Skill	Start Core Technology	Online	One-day	2020
4.	Strengthening Career Prospects with Communication & Presentation Skill	Department of Humanities and Social Sciences, IIT (ISM) Dhanbad	Offline	Two-days	2019
5.	SiC Devices Enabled Power Converters Applications – Opportunities and Challenges	Department of Electrical Engineering, IIT Kharagpur	Offline	One Week	2018
6.	How to do a Good PhD	University of Calcutta, Kolkata	Offline	2 days	2015

VI. RESEARCH INTEREST

Fault tolerant control of electric motor drives, Transportation & electrification, Design of power electronics converters

VII. SOFTWARE SKILLS

Document Creation: Microsoft Office, Visio & LaTeX;

Simulation Tool: MATLAB/Simulation;

Circuit Design: PSPICE, Proteus & Altium;

Hardware Tools: DS 1202 MicroLabBox, dSPACE-1103, dSPACE-1104 & FPGA

Programing Language: VHDL, Assembly Language

VIII. PERSONAL DETAIL

Name	: Dr. Murli Manohar
Father's Name	: Mr. Shiv Chandra Choudhary
Mother's Name	: Mrs. Rama Devi
Date of Birth	: 22-10-1988
Gender	: Male
Marital Status	: Married
Language	: English, Hindi, Maithili
Residential Address	: At-Patori, P.O- Patori Basant, P.S- Moro (Basuara) Darbhanga-846003 (Bihar)

IX. REFERENCES

(1) Prof. Kalyan Chatterjee

Professor

Department of Electrical Engineering

Indian Institute of Technology (ISM), Dhanbad, Jharkhand.

E-mail: kalyanchatterjee@iitism.ac.in

(2) Dr. Rahul Kumar

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BIT Sindri, Dhanbad, Jharkhand.

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Declaration:

I hereby declare that the information provided above is correct to the best of my knowledge and I bear the responsibility for the correctness of the particulars mentioned above.



(Murli Manohar)

Place: Dhanbad, Jharkhand