


Dr.V.SURESH

QUALIFICATION	M.E., Ph.D.	
SPECIALIZATION	PROCESS CONTROL AND INSTRUMENTATION	
DESIGNATION	ASSOCIATE PROFESSOR	
DATE OF JOINING IN THE INSTITUTION	07.08.2003	
TEACHING EXPERIENCE	08 th Jan. 2003 to 05 th August 2003 working as lecturer in Maharaja Engg. College, Avinasi. 17 YEARS	

FUNDED PROJECT / CONSULTANCY WORK UNDERTAKEN

Sl.No.	Title of the Project	Name of the funding organization	Amount, Period, Responsibility and Status of Project
1.	Development of Hall Sensor array based Magnetic Flux Leakage (MFL) system for non- destructive imaging and evaluation of localized defects in ferromagnetic steam generator tubes Amount	Board of Research in Nuclear Science (BRNS), Mumbai.	Rs. 23,44,750/- 2011-2014 Co-Investigator Completed on December-2014

PRODUCT DEVELOPMENT

Sl.No.	Title of the Product	Name of the funding organization	Amount, Period, Responsibility and Status of Project
1.	Intelligent hover board for the visually impaired people	National Science & Technology Entrepreneurship Development Board (NSTEDB) Department of Science & Technology (DST), Govt of India, New Delhi	Rs. 2,50,000/- 2019-2020 Mentoring a Student team

LIST OF INTERNATIONAL JOURNAL PUBLICATIONS

1.	V. Suresh, A. Abudhahir, and Jackson Daniel, <i>“Characterization of Defects on Ferromagnetic Tubes Using Magnetic Flux Leakage”</i> , IEEE TRANSACTIONS ON MAGNETICS, VOL. 55, NO. 5, MAY 2019. (Impact Factor: 1.651)
2.	J. Sam Alaric, V. Suresh, A. Abudhahir, M. Carmel Sobia and M. Baarkavi, <i>“Theoretical Analysis of the Rectangular Defect Orientation using Magnetic Flux Leakage”</i> , DE GRUYTERS published Measurement Science Review, Vol. 18(2018), No. 1, 28-34. (Impact Factor: 1.122)
3.	V Suresh, A Abudhahir and Jackson Daniel, <i>“Development of magnetic flux leakage measuring system for detection of defect in small diameter steam generator tube”</i> , Elsevier published Measurement Vol. 95 (2017) 273–279 (Impact Factor: 1.825)
4.	V. Suresh and A. Abudhair, <i>“Dipole Model to Predict the Rectangular Defect on Ferromagnetic Pipe”</i> , The Korean Magnetics Society published Journal of Magnetics Vol. 21 (2016), No.3, 437-441. (Impact Factor: 0.548)
5.	V. Suresh and A. Abudhahir, <i>“An Analytical Model for Prediction of Magnetic Flux Leakage from Surface Defects in Ferromagnetic Tubes”</i> , De Gruyters published Measurement Science Review, Vol. 16(2016), No. 1, 8-13. (Impact Factor: 0.965)
6.	V. Suresh, A. Hathimary, Dr. A. Abudhahir and N. Chermakani, <i>“Theoretical Analysis of Magnetic Flux Leakage Signal from Arbitrary Oriented Rectangular Defect in Ferromagnetic Pipe”</i> , International Journal of Applied Engineering Research, Vol. 10, 2015 pp 14957-14962.
7.	V. Suresh, M. Vivekanandan, Dr. A. Abudhahir and N. Chermakani, <i>“Development of Imaging System for Defect Detection on Steam Generator Tubes”</i> , International Journal of Applied Engineering Research, Vol. 10, 2015 pp 15031-15035.
8.	V.Suresh, V.K.Gopperundevi, Dr.A.Abudhahir, R.Antonyamy and K.Muthukkutti, <i>“Simple Algorithm for the Magnetic Field Computation in Bobbin Coil Arrangement ”</i> , International Journal of Innovative Research in Computer and Communication Engineering, Vol.02, 2014

9.	V. Suresh, A.N.Abdul Haq and A. Abudhahir, "Simulation Study of Different Magnetizers for MFL Testing in Steel Tubes", Journal of Emerging Technologies – Electrical Engineering, Special Issue – ICBDM 2013, Vol.01 No.01
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LIST OF INTERNATIONAL CONFERENCE PUBLICATIONS	
1.	Harini Akshaya.T.J., Suresh.V., Carmel Sobia.M, "An Extensive Study on the Optimization Techniques and its Impact on Non-linear Quadruple Tank Process", International Conference on Information Management & Machine Intelligence (ICIMMI-2019), Poornima Institute of Engineering & Technology, Jaipur 14-15 December 2019.
2.	Kalyani Sundaram, Suresh V and Jackson Daniel, " <i>Modeling and Analysis of PID controller Performance in QIP</i> " 2nd International Conference on Recent Advances in Engineering and Technology, Sri Krishna college of engineering and technology, Coimbatore, Tamilnadu, 8th & 9th Feb.2019. ISBN No. 978-93-87862-50-0, pp no. 871-875.
3.	K.Marimuthu , S.Chokkalingam , P.Selva and V.Suresh, " <i>GSM Based Smart Energy Meter</i> ", International Conference on Recent Trends in Multi-Disciplinary Research (ICRTMDR -2018)19th- 20th April, 2018 Thoothukudi, Tamilnadu.
4.	M.Baarkavi, V.Suresh and M.Carmel Sobia, " <i>Analytica Model to Detect the Orientation of the Rectangular Defect Using Magnetic Flux Leakage Technique</i> " International Conference on Emerging Trends in Engineering & Technology (ICETET 2K16), Arunachala College of Engineering for women, Kanyakumari, Tamilnadu,09 th & 10 th December 2016.
5.	S N. Poornima, V. Suresh and J. Babitha Thangamalar, " <i>Imaging of Steam Generator Tube using Magnetic Flux Leakage Technique</i> ", Third International Conference on Innovations in Information, Embedded and Communication Systems (ICIIECS'16), Karpagam College of Engineering, Coimabtoe, Tamilnadu,17-18th March 2016.
6.	K.Gopinath, V.Suresh and Dr. A. Abudhahir, " <i>3D Modeling of MFL Inspection System to Detect the Defects on the outer surface of Small bore Tube</i> ", International Conference on Innovations in Information

	<i>Embedded and Communication Systems- (ICIIECS'14)</i> , Karpagam college of Engineering, Coimbatore, 13th & 14th March 014.
7.	N.Chermakani, V Suresh, A Abudhahir and Prithee Madan, "Frequency Response Based PID controller Design With Setpoint Filter", IJCA Proceedings on International Conference on Innovations In Intelligent Instrumentation, Optimization and Electrical Sciences, 2013, Vol. 01, PP. 25-28.
8.	Manjana jothi, A Abudhahir and V Suresh, "Impact of Sensor Non-Linearity on the Performance of a Closed Loop Process Control System", International conference on innovations in Intelligent Instrumentation, Optimization and Signal Processing (ICI IOS 13), Karunya University, Coimbatore, March 2013.

LIST OF NATIONAL CONFERENCE PUBLICATIONS	
1.	A.N.Abdul Haq, V.Suresh, A.Abudhahir and Jackson Daniel, "Numerical analysis of Magnetic flux leakage Inspection of Outer Side defect on Steel Tube Using Inner Coil Arrangement", National conference on "Recent Trends in Instrumentation Application "(RETINA'15), National Engineering College, Kovilpatti,Tamilnadu, 26 th & 27 th February 2015
2.	V. Suresh, A. Hathimary, Dr. A. Abudhahir and N. Chermakani, " <i>Numerical analysis of Magnetic flux leakage Inspection of Outer Side defect on Steel Tube Using Inner Coil Arrangement</i> ", Recent Trends in Instrumentation Applications – RETINA'15, National Engineering College, Kovilpatti, 26 th & 27 th February 2015.
3.	V. Suresh, V.Rajinikanth and Sri Madav Raj, " <i>Process Monitoring and Control using Virtual Instrumentation</i> ", National conference on Recent Trends in Instrumentation Applications – RETINA'04, National Engineering College, Kovilpatti, December 23 rd & 24 th 2004.

PROJECT/RESEARCH GUIDANCE	
UG	21-BATCH GUIDED
PG	07-COMPLETED
Ph.D.	Anna University recognized supervisor- Electrical-Ref. No.-3330021

WORKSHOPS/SEMINARS/CONFERENCES/TRAINING PROGRAMMES ORGANIZED					
Sl. No.	Name of the Programme	Funding Agency	Seminars/ Workshops/ Symposium	Venue	Responsibility
1.	Recent Trends in Instrumentation Application RETINA'09	TNSCST	National Conference	National Engineering College	Co-coordinator
2.	Research Issues on Non-Destructive Evaluation RNDE'13	BRNS	National Seminar	National Engineering College	Co-coordinator
3.	REcent Trends in Instrumentation Application RETINA'15	National Engg. College	National Conference	National Engineering College	Co-coordinator
4.	Industrial Automation using programmable logic controller (PLC)-02 nd April 2016	Self-Support	Workshop	National Engineering College	Coordinator & Technical content delivery
5.	Industrial Automation 16 th September 2017	ISTE	Workshop	National Engineering College	Coordinator & Technical content delivery
6.	Introduction Programmable Logic Controller (PLC)-09 th September 2017	ISOI	Workshop	National Engineering College	Coordinator & Technical content delivery
7.	Industrial Automation using programmable logic controller (PLC)-22 nd & 23 rd February 2018	Self-Support	Workshop	National Engineering College	Coordinator & Technical content delivery
8.	Industrial Automation	Anna University	Workshop	Anna University	Expert Person

	14th February 2019.			VOC College of Engineering	
9.	Hands on Training Program on PLC and SCADA 16th March 2019	Anna University	National level workshop	Anna University VOC College of Engineering, Thoothukudi - 8.	Expert Person
10.	National Innovation and Start-up policy on 20.01.2020	VOC College	National level workshop	V.O.Chidambaram College, Thoothukudi - 8.	Resource Person

INDUSTRIAL TRAINING UNDERGONE			
Sl.No.	Name of the Industry	Duration	Contact Person
1.	SESHASAYEE PAPER AND BOARDS LIMITED (SPB)), TIRUNELVELI – 627 601, TAMILNADU.	21.04.2018 to 25.04.2018	Mr. Kandasamy Head, Instrumentation Seshasayee Paper and Boards Limited (SPB), TIRUNELVELI – 627 601, TAMILNADU.
2.	Southern Petrochemical Industries Corporation (SPIC) Limited, Tuticorin – 628005, Tamilnadu.	31.10.2016 to 11.11.2016	Mr. R. Sekar, Head, Instrumentation, Southern Petrochemical Industries Corporation (SPIC) Limited, Tuticorin – 628005, Tamilnadu.

AWARDS

1.	Dr.V.Suresh, Associate professor, EIE Department, National Engineering college has received the certificate of recognition award from IEEE Madras section, Chennai for his paper entitled “Characterization of Defects on Ferromagnetic Tubes Using Magnetic Flux Leakage”, published in IEEE TRANSACTIONS ON MAGNETICS, VOL. 55, NO. 5, MAY 2019. The IEEE day celebration held at Alumni Hall, Anna University on 03.11.2019.
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JOURNAL REVIEWER

2.	De Gruyters published Measurement Science Review Journal
3.	Elsevier published Measurement

SOCIETY MEMBERSHIP

1.	ISTE –Life member Membership Number: LM41828
2.	IEEE-Member – 94733535
4.	http://orcid.org/0000-0002-4795-2776
5.	https://scholar.google.co.in/citations?user=z9l8K1QAAAAJ&hl=en
6.	https://www.researchgate.net/profile/Suresh_v