

Papers Published

Papers Published

Computation of the discrete Fourier Transform
IEEE Trans. Cir. and Sys. II, vol. CAS-45, No.4, pp.449-461, April, 1998. Dr. D.Sundararajan Co-author with M. O. Ahmad

Fast Computation of the discrete Fourier Transform of Real Data *IEEE Trans. Signal Processing, vol. 45, No. 8, Aug. 1997, pp. 2010-2022. Dr. D.Sundararajan Co-author with M. O. Ahmad*

A Fast Bit-Reversal Algorithm *IEEE Trans. Cir. and Sys. II, vol. 41, No. 10, Oct. 1994, pp. 701-703. Dr. D.Sundararajan Co-author with M. O. Ahmad*

Fast Computation of the discrete Walsh and Hadamard Transforms *IEEE Trans. Image Processing, vol.7, No.6, pp. 898-904 June, 1998. Dr. D.Sundararajan Co-author with M. O. Ahmad*

Index Mapping Approach of Deriving the PM DFT algorithms *IEEE Trans. Computers, vol. 47, No. 12, Dec. 1998, pp. 1418-1424. Dr. D.Sundararajan Co-author with M. O. Ahmad*

Fast Computation of the discrete Walsh Transform
Proc. of the 39th Midwest Symp. on Cir. and Sys., Aug. 1996, Ames, Iowa, pp. 785-788. Dr. D.Sundararajan Co-author with M. O. Ahmad

Efficient Computation of the DFT for Some Transform lengths that are not Integral Powers of Two
Proc. of the 39th Midwest Symp. on Cir. and Sys., Aug. 1996, Ames, Iowa, pp. 777-780. Dr. D.Sundararajan Co-author with M. O. Ahmad

Fast Computation of the Two-Dimensional Discrete Fourier Transform *Proc. of the 39th Midwest Symp. on Cir. and Sys., Aug. 1996, Ames, Iowa, pp. 777-780. Dr. D.Sundararajan Co-author with M. O. Ahmad*

Matrix Factorization Derivation and Analysis of Computational Complexity of a New Radix-2 DFT Algorithm *Proc. of the 39th Midwest Symp. on Cir. and Sys., Aug. 1996, Ames, Iowa, pp. 763-766. Dr. D.Sundararajan Co-author with M. O. Ahmad*

Papers Published

Fabrication of Microcontroller Based Multipurpose Measuring system with Inbuilt Data Acquisition
2nd International Conference on Bioinformatics and Biomedical Technology (IEEE -ICBBT 2010) April 16-18, 2010, Chengdu, Sichuan, China, pp 10-13. Ruhi Mahajan Co-author with Sneh Anand, Amit Sengupta, S.K.Pahuja

LabVIEW based Photoplethysmograph
International conference on Convergence of Science and Engineering in Education and Research – A Global Perspective in the new Millennium (IEEE-ICSE 2010), April 21-23, 2010, Bangalore, pp 246. Ruhi Mahajan Co-author with S. K.Pahuja, Ravi Mahajan

LabVIEW based low cost impedance plethysmography unit
2010 International Conference on Measurement and Control Engineering (IEEE-ICMCE2010) Chengdu, China, November 16-18, 2010. Ruhi Mahajan Co-author with Mahendra Kumar, A.K.Jain

Selection Criteria, Security Issues and Implementation of SCADA in Process Control
National Conference on Recent Advances in Electrical & Electronics Engineering, Dec 23-23, 2009, NIT Hamirpur, pp 313-316. Ruhi Mahajan Co-author with S.K.Pahuja, Ravi Mahajan

Design of an Intelligent High Speed Data Acquisition System
National Conference on Trends in Instrumentation & Control Engg Oct 29, 2009, Thapar Institute of Engg. and Technology Patiala, pp 434-437. Ruhi Mahajan Co-author with S.K.Pahuja

Real Time Impedance Measuring System

National Conference On Technological Innovations for Sustainable Development, Aug 29, 2009, Bikaner, pp 362. Ruhi Mahajan Co-author with S.K.Pahuja

Projects

- Soumya. S, Rehana Babu A.H, T. Manoj Kumar & S. Vimal Shekar et.al carried out a Project on “HAND MOTION BASED TALKING MACHINE FOR SPEECH DISABLED” in MVJCE, Bangalore.
- Rajashekar. P, Gowrish B.V, Arun Kumar S.V. & Panchakharayya Hiramath et.al carried out a Project on “NOVEL ARCHITECTURE OF EMERGENCY MITIGATION USING AUTONOMOUS ROBOTS” in MVJCE, Bangalore.
- Abhay K Kothari & Nipun Singh Chawhan et.al carried out a Project on “TRAFFIC CONTROL SIGNAL BASED ON DENSITY OF TRAFFIC & SIGNAL SYNCHRONISATION” in National Instruments, Bangalore.

Faculty Achievements

Books Published by Dr. Sundararajan •

The Discrete Fourier Transform

World Scientific Publishing Co. Pte. Ltd, Singapore, 2001.

Digital Signal Processing Theory & Practice

World Scientific Publishing CO. Pte. Ltd, Singapore, 2003.

A Practical Approach to Signals and Systems

John Wiley & Sons (Asia) Pte Lte, Singapore, 2008.

**Dr. D. Sundararajan Fundamentals of the DFT (fft)
Algorithms**

*ISBN 981 02 4521 1. World Scientific, 2001. November 9,
2009.*

ON-LINE WRITER for dsprelated.com

www.dsprelated.com/showabstract/113.php

www.dsprelated.com/showabstract/93.php

Student Achievements

Academic Achievements

- Rakshith Babu , Purushotham S. , Priyanka D N won first prize in Robo Wars at SIT college, Tumkur in October 2010.
- Shashikiran , Praveen J, Maruthi, Srinivas Karthi, Sateesh M, Sharath Chandra, Somshekhar M , Prashanth A won third prize in Robo Wars at SIT college, Tumkur in October 2010.
- Rakshith Babu, Purushotham s, Priyanka D N, won first prize in Robo Cup at MVIT Bangalore in February 2011.
- Raghavendra , Naveen S , Sachin, Karthik T won second prize in Robo Cup at MVIT Bangalore in February 2011.
- Rakshith Babu, Purushotham s, Priyanka D N won 4th prize in Carpediem at TKM college Kollam on Feb 2011.
- Sharath Chandra , Somshekhar M won second prize in Explorer 11- Robo Wars at MIT Chennai in March 2011.
- Srinivas Karthik , Sateesh M, Sharath Chandra, Somshekhar M, Prashanth A won third prize in Explorer 11- "Soccer" at MIT Chennai in March 2011.
- Raghavendra , Naveen S, Sachin, Karthik T won first prize in ACUMEN- Battlebots at Vasavi college of Engineering, Hyderabad in March 2011

Non - Academic Achievements

Students who represented MVJCE in inter-university sports & games events.

- Vivekananda Reddy – Kabbadi
- Nithin.P Cricket, Kho-Kho
- Sheetal Gudigar- Table Tennis
- Sandeep - Hand ball, Basket ball
- Satheesh jadav Kho-Kho, Kabbadi
- Sanjay Haddana Handball, Kho-Kho
- Vinod raj.K.M Kabbadi
- Naveen.S.jain - Kabbadi
- Brijesh.C.A - Yoga
- Mukesh.B.Battarki - Yoga

University Ranks

Academic Year 2009 – 2010

- The Management, Faculty and Students of MVJ College of Engineering Congratulate **Ms. S. Vasa Lakshmi** for obtaining the **10th Rank** in the University

