

PROFILE



PERSONAL INFORMATION

Name: Dr. Dattatraya Shankarrao Bormane
Date of birth: 2nd March 1964
Address: Rajarshi Shahu College of Engineering,
(Correspondence) S.No.80/3/1, Mumbai-Pune bypass Highway,
Tathawade, Pune-33
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Nationality: Indian **Category:** Open

QUALIFICATION DETAILS

- Bachelor of Engineering (BE EC) from Dr.B.A.M.U, Aurangabad Marathwada University in year 1987 with first class (62.93 %)
- Master of Engineering (ME EC) from Shivaji University, Kolhapur in year 1996 with First Class
- PhD in Engineering (EC & CSE) from S.R.T.M.U., Nanded in 2003 in area of 'Noise Filtering From Images Using Wavelet Based Techniques'

AREAS OF INTEREST

- Digital Signal Processing*
- Communication Engineering
- Image Processing *
- VLSI Design*
- Digital Systems

* Research interest areas

EMPLOYMENT RECORD

Current Designation: Principal & Professor
Name of Employer: Rajarshi Shahu College of Engineering, Pune-33
Date of Joining: 18th September 2006
Teaching Experience: 20 years

Earlier Employment Record

- Professor and Principal at B V College of Engineering for Women, Pune-43 from 7/7/2004 to 16/9/2006
- Professor at B V D U, College of Engg, Pune-43 from 1/7/2004 to 6/7/2004
- I/C Principal at S.T.B. College Of Engineering, Tuljapur from 6/9/2001 to 30/06/2004
- HOD(E & TC) at S.T.B. College Of Engineering, Tuljapur from 14/7/2000 to 30/06/2004
- Asst. Prof (E & TC) at S.T.B. College Of Engineering, Tuljapur from 26/9/97 to 30/06/04
- Lecturer(E & TC) at S.T.B. College Of Engineering, Tuljapur from 20/7/87 to 25/9/1997

Subjects Taught:

Post Graduate level

- Optical Fiber Communication

Under graduate level

- Principles of Communication Engineering
- Communication Engineering
- Television Engineering
- Optical Fiber Communication
- Digital Signal processing
- Digital Image processing

Responsibilities Shouldered:

(At S T B College of Engineering, Tuljapur)

- Head Of Computer Center (1996-2000).
- Chairman, College Gymkhana Committee (1997-2001).
- Rector for Boys Hostel.

ASSOCIATION WITH PROFESSIONAL BODIES

- Life member of Indian Society for Technical Education (ISTE), New Delhi, LM-15403.
- Life member of Indian Society for Continuing Engineering Education, (ISCEE) Roorkee, LM- 0209.
- Fellow Member of Institution of Electronics and Telecommunication Engineers (IETE) F-189076.
- Fellowship Engineering Education Foundation, Pune.

ASSOCIATION WITH VARIOUS UNIVERSITIES

- Working as Member Board of Studies in Electronics AT
 - Shivaji University, Kolhapur
 - Dr. B A Marathwada University, Aurangabad.
 - Solapur University, solapur.
- Working as Member of Research & Recognition Committee AT

- Solapur University, Solapur.
- Dr. B.A.Technological University, Lonere.
- Recognized Ph.D. Guide in Electronics & Computer Science Engineering at Bharati Vidyapeeth, Pune-43.
- Recognized Ph.D. Guide in Electronics Engineering at SOLAPUR UNIVERSITY,Solapur.
- Ph.D. co-guide at Visvesvaraya technological university, Belgum, Karnataka.
- Worked as Chairman, Board of studies in Electronics, Dr. B.A. Marathwada University, Aurangabad.
- Worked as Member Faculty of Engineering, Academic Council, Research and Recognition (R-R) committee, Board of university teacher and Research (BUTR), Committee to frame the structure, eligibility and syllabus of MCA new course to frame structure and syllabus of (UG IT Course) of Dr. B A Marathwada University, Aurangabad.
- Recognized PG teacher in Electronics Engineering of Dr. B A Marathwada University, Aurangabad.
- Worked as Chairman/ Member Local inquiry Committee for Continuation of Affiliation of Colleges appointed by Dr. B A Marathwada University, Aurangabad.
- External Referee/Examiner for PG and Ph.D.

SESSION CHAIR/CHIEF GUEST/REVIEWER FOR CONFERENCE

- Session chair at International Conference on Systemics, Cybernetics and Informatics(ICSCI-2007), Pentagram Research Center, Hyderabad, January 03-07, 2007.
- Session Co-Chair at The International Conference on Information Technology- New Generations (ITNG) ITNG2007, Las Vegas, USA (www.itng.info/sessions.htm and www.itng.info/CFP.htm)
- Chairperson for session /expert at Technomillennium-2003, National level paper presentation competition for Engineers & Architecture students.15-17 -09-2003, at M I T Aurangabad.
- Chief Guest for Valedictory function of one day national Seminar “ Emerging technologies for Software professionals”, at Hotel Arora Towers, Camp,Pune, April 1, 2006
- Chairperson for session /expert at National level paper presentation competition for Engineering faculty, college of engineering , Pandharpur.
- Reviewer at International Conference

LIST OF TRAINING COURSE/STTP/ SEMINARS/WORKSHOPS/ CONFERENCES ATTENDED:

- One day workshop on “Verification and report on the local inquiry of colleges/institutions” for the chairman of local inquiry committees, held by University on 01-12-2003.

- Participated in workshop on “ Industrial instrumentation and EDC” at college of Ambajogai, 29-08-2003.
- Attended one day workshop on “ Industry Institute Partnership” jointly organized by COE, Osmanabad & J. Director Technical Education, Regional Office, Aurangabad, 4/3/03.
- Participation in the National Conference on “ Emerging trends in Engineering Education,” held in Aurangabad during 25-26-10-2002.
- Attended workshop on “ Capacity building for the Heads of Institutions ”, 28-29/09/2001,CII Mumbai.
- Completed “ Certificate Course in VLSI Design” from 09-07-2001 to 15-07-2001, at Bit Mapper, Pune.
- Participated and presented a paper at the international Symposium on Applications of Computer algebra (ISACA’2000), organized by TRMF, Kolhapur at port Panala during 3-5-10-2000.
- AICTE Sponsored ISTE short-term training Programme “Digital Signal Processing And Image Processing” [Period 05-06-2000 to 17-06-2000] at SGGGS college of Engineering and Technology, Nanded.
- Two Week Course in “ Communication Skills & Teaching Techniques,”(17-5-2000-31-5-2000) at Tuljapur.
- One Day Workshop on “ Induction Training For Teachers ” [8/2/1998], Tuljapur.
- Participated in the Fiber U course of instruction in fiber optics, including hands-on cable handling, termination, splicing and testing,(16-18/12/1996), organized in India by Trinity Electric syndicates P. Ltd.
- Attended Career Conference, 26-27/02/1996,organized by University Employment and Guidance Bureau, Aurangabad.
- UGC sponsored course on “Signal Processing: Devices and Applications” [13-12-94 TO 31-12-94], University of Roorkee.
- Attended Seminar on “Digital Signal Processing ” 17-18/08/1993 conducted by Dynalog Micro-Systems Pvt. Ltd.
- One day interactive session on “ Excellence in technical education :issues & challenges”, at Hotel Sun-N-Sand, Pune, 3 Dec. 2006.
- Participated in conference on “IT INSIGHTS ”, sponsored by IBM,HP at Hotel Le Meridian, pune 4th May 2007.
- Participation in Symposium on product life Cycle management May 21,22,2007 at Hotel Lagoona Resort, Lonavala..

PUBLICATIONS

Books Published:

- 1 "VLSI Design", Nirali Prakashan, Pune July 2005

JOURNAL PAPERS:

International

1. V. H. Patil, D.S. Bormane and V.S. Pawar, "An Automated Expert Super Resolution Imaging based Process for Breast Cancer Screening" ICGST's International journal of Graphics, Vision and Image Processing, Sp. Issue on Image Processing for Breast cancer Detection, July 2006, pp-69-72
<http://www.icgst.com/gvip/v6/P1150627007.html>
2. V. H. Patil and D.S. Bormane, "Wavelet for medical Image Enhancement to Assist Resizing", ICGST's International journal of Graphics, Vision and Image Processing, Sp. Issue on Wavelets, Dec 2006, Vol. 15, Issue 9, pp- 63-68.
<http://www.icgst.com/gvip/v9/P1150608001.html>

IEEE/ IEEE Computer Society

3. Mr. S. T. Patil, Dr. D. S. Bormane, "EEG Analysis during Kapalbhathi", International conference, ICEMCC - PESIT, Bangalore, August 2006. PP-
4. Mr. S. T. Patil, Dr. D. S. Bormane, "EEG Analysis during Bramari using wavelet, selected in CIT, International conference, Bhubaneshwar, December 2006. PP-
5. Mr. S. T. Patil ,Dr. D. S. Bormane, "EEG Analysis during Basarika using wavelet selected in CODEC, International conference, Culcutta, Dec. 2006. PP-

Published in TMRF Annals(2)

6. D.S.Bormane, Dr.T.R.Sontakke," Impulsive Noise Removal Using Generalized Mean Technique", TMRF, Annals, vol.1, No.1, May2001, PP-53-62, International conference ISACA'2000, Fort Panala.
7. D.S.Bormane, Dr.T.R.Sontakke," A Deductive logic towards Elimination of Impulsive Noise using ROM Processing techniques", TMRF, Annals, vol.1, No.1, May2001, PP-63-71, International Conference ISACA'2000,Fort Panala.

Papers Published at Reference Books/ Textbooks

8. D.S.Bormane & Dr.T.R.Sontakke, "Wavelet based approach towards noise detection and filtration", Proceedings of the 5th WSES international conference on circuits, systems, Communications and Computers (CSCC 2001), technical co-sponsored by IEEE Sp Society, Rethymno,Greece,July-8-15,2001,pp-6051-6054. Published in book, "Advances in Signal Processing and Computer Technologies" ISBN 960-8052-37-8.
9. D.S.Bormane, Dr.T.R.Sontakke, " Wavelet based noise detection and filtering", Proceedings of the WSES Annual Multi-conference on Applied and Theoretical Mathematics (Dec.2001), Technical Co-sponsored by IEEE Sp. society, Cairns, Australia, Dec.17-21, 2001. Published in a book "Topics in applied and Theoretical Mathematics and Computer Science", ISBN-960-8052-47-6. PP-
10. D.S.Bormane, Dr.T.R.Sontakke, " Image De-Noising using wavelet transform," international conference on Artificial Intelligence ISAI'2001, Dec.19- 21,2001,Fort Panala, published in a book "Artificial Intelligence- Future Trends", ISBN-81-7764-298-7. pp-
11. Mrs. V. H. Patil and Dr.D.S. Bormane "iVC: Video conferencing Toolkit for healthcare", 3rd international conference on18- 19th Dec 2006, ObCom-2006, School of Computing Sciences ,VIT, Vellore, TN. Published in book "Mobile and Ubiquitous Computing" ISBN-0230-63011-1. PP 194-199
12. Mrs. V. H. Patil and Dr. D.S. Bormane, "Super - Resolution Image Reconstruction: Overcoming The Limits Of Existing Imaging Systems",41st Annual Convention of Computer Society of India, November 23-25, 2006, CSI-2006, Science City, Kolkata, India. Published in book "Affordable Computing" MaGraw-Hill ISBN-0-07-062171-3. PP- 7-12

INTERNATIONAL CONFERENCE PAPERS:

13. D.S.Bormane, Dr.T.R.Sontakke, " De-noising using Rank-Ordered Wavelet Coefficients," Proceedings of the international conference on energy, Automation and Information Technology, EAIT-2001, IIT Kharagpur,Dec.10-12, 2001, pp-384-389.
14. Dr.D.S.Bormane, Mr. Mule S B, "Spatially Adaptive wavelet thresholding for image denoising", International Conference on Human machine interference - Bangalore 20-23, Dec 2004 PP-

15. Dr. Bormane D S , Yadav D M ,Borse R.C, "Performance Analysis of Image Coding Techniques", international conference, systemics, cybernetics and informatics, ICSCI2006, Hyderabad. PP-
16. Mrs. V. H. Patil and D.S. Bormane, "Super Resolution Imaging For Network Aware Application", ICSCN 2007-'International Conference on Signal Processing, Communications and Networking, Madras Institute of Technology, Anna University in association with AU-KBC Research Centre, 22-24 Feb 2007. pp-
17. Mrs. V. H. Patil and D.S. Bormane, "Wavelet Based Interpolation for Super Resolution Imaging", International Joint Conferences on Computer, Information, and Systems Sciences, and Engineering (CIS2E06) December 4 - 14, 2006, Technically Co-Sponsored by: Institute of Electrical & Electronics Engineers (IEEE) University of Bridgeport pp-
18. Mrs. V. H. Patil and D.S. Bormane, "Super Resolution Image Quality Metric", International Conference on Systemics, Cybernetics and Informatics (ICSCI - 2007) , Pentagram Research Center, Hyderabad, January 03 - 07, 2007, pp- 772-726
19. Mrs. V. H. Patil and D.S. Bormane "Ivc: Video Conferencing Toolkit For Healthcare", ObCom-2006, International Conference on Mobile, Ubiquitous and Pervasive Computing School of Computing Sciences, Vellore Institute of Technology, Vellore TN, Dec16-19, 2006, pp- 194-199
20. Mrs. V. H. Patil and D.S. Bormane, "Super Resolution in Medical Imaging for An Automated Proficient Process", The conference " International Congress of Imaging Science' 06" ICIS06 organized by The Society for Imaging Science and Technology, New York, USA, 7-11 May 2006, pp 406-409.
21. Mrs. V. H. Patil and D.S. Bormane, "Super Resolution Image Reconstruction: Technical Review", International Conference on Resource Utilization and Intelligent Systems, 4-6 Jan 2006 at Kongu Engg College, Perundurai, Erode (TN), pp-91

Poster presentation Papers

22. Mr. Patil S T, Dr. Bormane D. S. "Electroencephalograph signal Analysis During Bramari, " 2006 IEEE international conference on computer and information technology, Seoul, Korea, Sept. 20-22, 2006.

National Conference Papers

23. D.S.Bormane, Dr.T.R.Sontakke, " A Deductive logic towards Elimination of Impulsive Noise using Rank-ordered Mean Processing techniques", Proceeding

- of National Conference on, Intelligent and Efficient Electrical Systems, NCIEES-2001, Coimbatore, PP.55-59, Jan-19-20, 2001.
- 24.** Dr. D. S. Bormane, Mr.Mule S B, "Image noise filtering with adaptive wavelet thresholding", National Conference on Control Instrumentation & Systems CISCON-2004. Manipal Institute of Technology, Manipal. 5,6 Nov 2004. PP-
 - 25.** Dr.D.S.Bormane, Mr. Yadav D.M., "A Novel technique for Image Coding using Fractal Transform" has been selected for presentation in a National conference at College of Engineering, Osmanabad. PP-
 - 26.** Dr. D. S. Bormane, Mr. Patil S T "4G Trends for Bright Future in Mobile communication System" National Level paper presentation BVCON-2005 Sangli. PP-
 - 27.** Dr. D. S. Bormane, Mr. Patil S T, " Broadband Multi-Carrier Based Air Interface" National Level paper presentation BVCON-2005 Sangli PP-
 - 28.** Mr.S.T.Patil, Dr.D S Bormane, "Dynamic Electroencephalograph Signal Analysis using multiresolution time frequency " BICON2005, BVDUCOE,Pune-43. PP-
 - 29.** Mr.Bhalke D.J. , Dr.Bormane D S, "A Novel method for detection of event and spike in long term monitoring for epilepsy" , National conference TSYGECA-06 A Technical symposium at Government Engineering, Aurangabad. PP-
 - 30.** Mr.Patil S.R.,Dr.Bormane D.S.,Dr.Sontakke T.R. "Image Compression using transform Coding," National conference TSYGECA-06 A Technical symposium at Government Engineering, Aurangabad. PP-
 - 31.** Mr.Patil S.T.,Dr.Bormane D.S. "Fast changing dynamic and high nonstationary EEG analysis using time-frequency domain," National conference TSYGECA-06 A Technical symposium at Government Engineering, Aurangabad. PP-
 - 32.** Mr.Patil S.R.,Dr.Bormane D.S.,Dr.Sontakke T.R. "Image Compression using block truncation coding technique," National conference TSYGECA-06 A Technical Symposium at Government Engineering, Aurangabad. PP-
 - 33.** Mrs. V. H. Patil and D.S. Bormane, "Wavelet Transform and Wavelet Families: A Study Report", Utkarsh 2007, Jan 2007, Vivekanand Education Society's Institute of Technology Sindhi Society Chembur, Mumbai-71, pp-231-239
 - 34.** Mrs. V. H. Patil and D.S. Bormane, " Super Resolution Image Reconstruction: Overcoming the Limits of Existing Imaging Systems", 41st Annual National Convention of CSI, Kolkata, Nov 23-25, 2006, pp-7-12
 - 35.** Mrs. V. H. Patil and D.S. Bormane, "Super Resolution for Fast Access", National Conference on Computing and Communications - 06, 13th - 15th July 2006, held at G. Narayanamma Institute of Technology & Science, GNITs Hyderabad.

- 36.** Mrs. D.S. Bormane and V. H. Patil, "Fast Algorithm for Super Resolution", Tsygeca06, A state level technical symposium, Govt. Engg College, Aurangabad, 23-24 Jan 2006, pp 54-58

CONFERENCES/WORKSHOPS ORGANIZED

INVITED TALK

ASSOCIATION WITH SOCIAL BODIES



Dr. Dattatray S. Bormane