Dr. Bini A. A.

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EDUCATION

- **Ph.D. (Image Restoration Using Partial Differential Equations)**   2009 June -2015 Feb
  Dept of E&C, National Institute of Technology, Karnataka   *Mangalore, India*

- **M.Tech. Computer Science (Digital Image Computing)**   2003-2005
  University of Kerala   *Thiruvananthapuram, India*

- **B.Tech (Electronics Engineering)**   1998-2002
  Cochin University   *Cochin, India*

WORK EXPERIENCE

- **Indian Institute of Information Technology, Kottayam**   INDIA
  Assistant Professor   *Since August, 2017*

- **St. Joseph Engineering College, Mangalore**   INDIA
  Associate Professor   *July 2015- July 2017*

- **National Institute of Technology, Karnataka, Surathkal**   INDIA
  Assistant Lecturer   *Dec 2014 - May 2015*

- **KPIT Cummins**   Pune, India
  Sr. Software Engineer   *Oct 2007- September 2008*

- **Network Systems and Technology (NeST) Trivandrum**   Kerala, INDIA
  Software Engineer   *April 2005 - Oct-2007*

RESEARCH ACTIVITIES

Publications in International Journals & Conferences
International Journals

1. A. A. Bini, M. S. Bhat, "A nonlinear level set model for image deblurring and denoising", The visual Computer (Springer), Vol. 30, No. 3, pp. 311-325, 2014.

2. A.A. Bini and M. S. Bhat, "Despeckling low SNR, low contrast ultrasound images via anisotropic level set diffusion", Multidimensional Systems and Signal Processing (Springer), Vol. 25, No. 1,pp. 41-65, 2014.

3. P. Jidesh and A.A. Bini, Image despeckling and deblurring via regularized complex diffusion, Signal, Image and Video Processing (Springer), Vol. 11, No. 6, pp.977–984, 2017

4. P. Jidesh and A.A. Bini, A curvature driven image inpainting for high density impulse noise removal, AJSE (Springer),Vol. 39, No. 5, pp. 3691-3713, 2014.

5. A.A. Bini and P. Jidesh, "Image restoration using an adaptive region-wise p-norm filter with local constraints", International Journal of Image and Graphics, (World Scientific), Vol 16, No. 2, pp. 1-25, 2016.

6. P. Jidesh and A.A. Bini, "Image enhancement under data-dependent multiplicative Gamma noise", Applied Computational Intelligence and Soft Computing (HINDAWI), DOI:http://dx.doi.org/10.1155/2014/981932, 2014.

7. P. Jidesh and A.A. Bini, "An Image Dehazing Model considering Multiplicative Noise and Sensor Blur", Journal of Computational Engineering (HINDAWI), http://dx.doi.org/10.1155/2014/125356, 2014

International Conferences

1. P. Jidesh and Bini A.A. "A shock coupled image enhancement filter for data-dependant multiplicative noise removal" presented at International Congress of Mathematicians (ICM-2014) held at Seoul, S. Korea, during 13th-21st August 2014.

2. P. Jidesh and A.A. Bini, "A complex diffusion driven approach for removing data-dependent multiplicative noise", PReMI'13, ISI Kolkata, Dec-2013, LNCS- Springer

3. A.A. Bini and M. S. Bhat, A Fourth-order Partial Differential Equation model for multiplicative noise Removal in Images, Proceedings of IEEE international conference- C2SPCA, Bangalore, 2013.

4. A.A. Bini and M.S. Bhat, Selective image smoothing and feature enhancement using modified shock filters, Proc. of 8th IEEE Intl. Conference on Electrical Engineering/Electronics, Computer, Telecommunications and Information Technology (ECTI-CON)- Bangkok, 2012.

5. Bini A.A, M.S Bhat and P. Jidesh," An Adaptive Total Variation Model with Local Constraints for Denoising Partially Textured Images", Proceedings of IEEE International Conference on Graphics and Image Processing, pp. 179-183, Dec 2010, (Manila, Philippines).