

# Md. Kamrul Hasan, *Ph.D.*

Professor, Department of Electrical & Electronic Engineering,  
Bangladesh University of Engineering and Technology (BUET), Dhaka-1000, Bangladesh  
Mobile: +880-(0)1552-365843, E-mail: [khasan@eee.buet.ac.bd](mailto:khasan@eee.buet.ac.bd)

## LIST OF PUBLICATIONS (Submitted/Published/Accepted Papers Only)

### a. Journal Publications (recognized and refereed Journals):

1. **M. K. Hasan**, E. M. A. Anas, S. Y. Lee and S. K. Alam, “Direct mean strain estimation for elastography using nearest-neighbor weighted least-squares approach in the frequency domain”, *Ultrasound in Medicine and Biology*, *submitted*, 2011.
2. E. M. A. Anas, S. Y. Lee and **M. K. Hasan**, “High quality 3-D correction of ring and radiant artifacts in flat panel detector based cone beam volume CT imaging”, *Physics in Medicine and Biology*, IOP, *in press*, 2011.
3. E. M. A. Anas, S. Y. Lee and **M. K. Hasan**, “Comparison of ring artifact removal methods using flat panel detector based CT images”, *Biomedical Engineering Online*, *in press*, 2011.
4. S. K. Roy, K. I. Molla, K. Hirose and **M. K. Hasan**, “Harmonic modification and data adaptive filtering based approach to robust pitch estimation”, *International Journal of Speech Technology (IJST)*, Springer, *in press*, 2011.
5. M. A. Haque, T. Islam and **M. K. Hasan**, “Robust speech dereverberation based on blind adaptive estimation of acoustic channels”, *IEEE Trans. Audio, Speech, Language Process.*, vol.19, no.4, pp.775-787, May 2011.
6. E. M. A. Anas, S. Y. Lee and **M. K. Hasan**, “Classification of ring artifacts for their effective removal using type adaptive correction schemes”, *Computers in biology and medicine*, Elsevier, vol. 41, no. 6, pp. 390- 401, 2011.
7. E. M. A. Anas and **M. K. Hasan**, “Exploiting correlation of ECG with certain EMD functions for ventricular fibrillation detection”, *Computers in biology and medicine*, Elsevier, vol. 41, pp.110-114, 2011.
8. A. N. M. Ashrafuzzaman, S. Y. Lee and **M. K. Hasan**, “A self-adaptive approach for the detection and correction of stripes in the sinogram: Suppression of ring artifacts in CT imaging”, *EURASIP Journal on Advances in Signal Processing*, Elsevier, doi:10.1155/2011/183547, Volume 2011, Jan. 2011.
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11. M. Ryyan Khan and **M. K. Hasan**, “A novel model for show-through in scans of duplex printed documents”, *in press (published online DOI 10.1007/s11760-010-0192-6)*, *Signal, Image and Video Processing (SIViP)*, Springer (UK), Mar. 2010.
12. E. M. A. Anas and **M. K. Hasan**, “Sequential algorithm for ventricular tachycardia and fibrillation identification based on mean signal strength and low-order EMD functions”, *Biomedical Engineering online (UK)*, DOI: 10.1186/1475-925X-9-43, 9:43, 2010.

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14. **M. K. Hasan**, F. Sadi, and S. Y. Lee, "Removal of ring artifacts in micro-CT imaging using iterative morphological filter", DOI 10.1007/s11760-010-0170-z, *Signal, Image and Video Processing (SIViP)*, Springer (UK), *Published online*, June, 2010.
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Conference on Electrical and Computer Engineering (ICECE 2010), pp.638-641, December 18-20, 2010, Dhaka, Bangladesh.

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