

# Dr. Jesmin Farzana Khan

---

## Present Position

---

**Associate Professor**, Department of Electrical Engineering, Tuskegee University, Tuskegee, Alabama, USA.  
**Researcher and Campus Director of Education and Diversity Program**, NSF/DOE [CURENT](#) ERC (Center for Ultra-wide-area Resilient Electric Energy Transmission Networks)

---

## Publications

---

### Refereed Journal Papers

#### Published/Accepted

1. **Jesmin Khan**, Sharif Bhuiyan, Gregory Murphy and Johnathan Williams, Data Denoising and Compression for Smart Grid Communication in *IEEE Transactions on Signal and Information Processing over Networks*.
2. **Jesmin Khan**, Sharif Bhuiyan, Gregory Murphy and Morgan Arline, Embedded Zerotree Wavelet Based Data Denoising and Compression for Smart Grid *IEEE Transactions on Industry Applications*, 06 April 2015.
3. **Jesmin Khan**, Sharif Bhuiyan,

15. Sharif M. A. Bhuiyan, Reza R. Adhami, **Jesmin F. Khan**,

- Interpolators *Proc. of Eighth IEEE International Conference on Machine Learning and Applications (ICMLA 2009)*, pp. 18-24, 2009, (Miami, Florida, USA, December 2009).
17. **Jesmin F. Khan**, Reza R. Adhami, Sharif M. A. Bhuiyan, age segmentation based road sign  
*Proc. of IEEE SoutheastCon 2009*, pp. 24-29, 2009, (Atlanta, Georgia, March 2009).
  18. Sharif M. A. Bhuiyan, Reza R. Adhami, **Jesmin F. Khan** Edge detection via a fast and adaptive bidimensional empirical mode decomposition *Proc. of 2008 IEEE International Workshop on Machine Learning for Signal Processing*, pp. 199-204, 2008 (Cancun, Mexico, October 2008).
  19. **Jesmin F. Khan**, Reza R. Adhami, Sharif M. A. Bhuiyan, Kenneth E. Barner, decomposition based i  
*Proc. of 2008 IEEE International Conference on Acoustics, Speech and Signal processing (ICASSP)*, pp. 1317-1320, 2008, (Las Vegas, Nevada, USA, March-April 2008).
  20. **Jesmin F. Khan** image segmentation  
*Proc. of 2008 IEEE International Conference on Acoustics, Speech and Signal processing (ICASSP)*, pp. 937-940, 2008, (Las Vegas, Nevada, USA, March-April 2008).
  21. Sharif M. A. Bhuiyan, Reza R. Adhami, **Jesmin F. Khan**  
*Proc. of 2008 IEEE International Conference on Acoustics, Speech and Signal processing (ICASSP)*, pp. 1313-1316, 2008 (Las Vegas, Nevada, USA March-April 2008).
  22. **Jesmin F. Khan**  
*Proc. of IEEE SoutheastCon 2008*, pp. 539-544, 2008 (Huntsville, Alabama, USA, April 2008).
  23. **Jesmin F. Khan**