CURRICULUM VITA

1. Name: Ziaul Huque

2. Education: B.S., M.E., Bangladesh Univ. of Engr. & Tech., Bangladesh, April 1980
M.S., M.E., Clemson University, Clemson, SC, August 1982.
Ph.D., M.E., Oregon State University, Corvallis, OR, June 1991.

3. Academic Experience:

9/08-Present	Prairie View A&M University, Professor, full time.
10/19-Present	Prairie View A&M University, Director, Center for High Pressure Combustion in Microgravity
1/96-Present	Prairie View A&M University, Director of CFD Institute, full time.
9/00-8/08	Prairie View A&M University, Associate Professor, full time.
9/92-8/00	Prairie View A&M University, Assistant Professor, full time.
1/91-8/92	Brigham Young University, Research Associate, full time.

4. Non-academic Experience

1/91-8/92	Advanced Combustion Engineering Research Center, Brigham Young University, Research Associate, Provo, UT.

5. Certification and professional registration:

6. Current Membership in Professional Organizations:

7. Honors & Awards

Teaching Faculty of the Year, Roy G. Perry College of Engr., 2010
Outstanding Faculty, PVAMU Chapter of ASME, 2006.
NASA Summer Faculty Fellow, 2003
Welliver Summer Faculty Fellow, Boeing Company, 2002
Excellence in Service Award, Prairie View A&M University, December, 2001.
Outstanding Faculty Award, Prairie View A&M University, 1994-1995.
Teaching Excellence Award: The Lockheed-Martin Tactical Aircraft Systems Award in Recognition of Excellence in Engineering Teaching, September, 1995.

8. Service Activities (within and outside of the institution)

- Chairman, Tenure and Promotion Committees
- Director of High Pressure Combustion in Microgravity (CHPC)
- Director of CFD Institute
- Member of International Journal Editorial Board

9. Publications and Presentations from the Last Five Years

Book Chapters

- Kyoungsoo Lee, Shrabnti Roy, Ziaul Huque, Raghava Kommalapati and SangEul Han; Effect on Torque and Thurst of Pointed Tip Shape of a Wind Turbine Blade; 'Top 5 Contributions in Energy Research and Development' 2nd Edition, AvisScience; pp 1-33; www.avidscience.com.
- Akhil Kadiyala, Raghava Kommalapati, Ziaul Huque,2017, Life Cycle Assessment of a Solar Power System Designed to Meet University, in "Sustainability Practice and Education on University Campuses and Beyond", Ashok Kumar and Dong Kim (eds), p 148-166.

Journal

- Hyoung-Chul Kim, Hongbo Du, Raghava R. Kommalapati, Ziaul Huque, Xinhua Shen, Computational fluid dynamic simulation modeling of carbon capture using polyethylenimine impregnated protonated titanate nanotubes, Energy Science & Engineering, 2020. Vol 8(7): p. 2311-2321.
- Kommalapati, R.R., H. Du, M.L. Stewart, X. Shen, and Z. Huque, The Effects of Synthesis Conditions on the Carbon Capture Capacity of Polyethylenimine Impregnated Protonated Titanate Nanotubes. Science of Advanced Materials, 2020. **12**(2): p. 228-236. IF – 1.318.
- Zemmouri, F, M. S. Chowdhury, Z. Huque and R. R. Kommalapati, "Static Structural Analysis of a Pointed Tip Wind Turbine Blade Using FSI", *International Journal of Engineering Sciences*, 2018, 11(1), p. 7-12.
- Du, H., Z. Huque, and R.R. Kommalapati, "Impacts of Biodiesel Applied to the Transportation Fleets in the Greater Houston Area". *Journal of Renewable Energy*, 2018. 2018: Article ID 7350715.
- Kyoungsoo Lee, Ziaul Huque, Raghava Kommalapati, Sang-Eul Han, "Fluid-Structure Interaction Analysis of NREL Phase VI Wind Turbine Part-2: Aerodynamic Force Evaluation and Structural Analysis using FSI analysis", *Renewable Energy*, 113 (2017), pp. 512-531.
- Shrabanti Roy, Ziaul Huque, Kyoungsoo Lee, and Raghava Kommalapati, "Turbulence Model Prediction Capability in 2D Airfoil of NREL Wind Turbine Blade at Stall and Post Stall Regions", *Journal of Clean Energy Technologies*, Vol. 6.No. 6, pp. 496-500, 2017.
- Kyoungsoo Lee, Shrabanti Roy, Ziaul Huque, Raghava Kommalapatiand SangEul Han, "Effect on Torque and Thrust of the Pointed Tip Shape of a Wind Turbine Blade", *Energies*, 2017, 10, 79; doi:10.3390/en10010079.
- Nazia Binte Munir, Ziaul Huque, Raghava R. Kommalapati1, "Impact of Different Parameters on Life Cycle Analysis, Embodied Energy and Environmental Emissions for Wind Turbine System", *Journal of Environmental Protection*, 2016, 7(07), 1005-1015.
- Lee, Kyoung-Soo, Huque, Ziaul, Kommalapati, Raghava and Han, Sang-Eul, "Evaluation of Equivalent Structural Properties of NREL Phase VI Wind Turbine Blade", *Renewable Energy*, 86 (2016), pp. 796-818.

10. Professional Development Activities

Briefly list the most recent professional development activities

- Attended 2nd World Congress on Engineering and Applications (WCEA – 2017), December 15-16, 2017, Pattaya, Thailand.
- Reviewer of several Technical journals papers.