**List of Articles**

**PhD Candidate:** Muhammad Salman Siddiqui

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**Journal papers**

1. Siddiqui MS, Rasheed A, Kvamsdal T, Tabib M, Three Dimensional Variable Turbulent Intensity Flow Field Characterization of a Vertical Axis Wind Turbine, Energy Procedia, 80:312-320, 2015. **(Published)**
2. Siddiqui MS, Rasheed A, Tabib M, Kvamsdal T, Numerical analysis of the NREL 5MW wind turbine: A Study Towards a Better Understanding of Wake Dynamics and Torque Generation Mechanism, Journal of Physics Conf. Series 753 (2016), 032059.  **(Published)**
3. Siddiqui MS, Rasheed A, Tabib M, Kvamsdal T, *Numerical Frame Work for NREL 5MW Wind Turbine using Variable Level of Geometric Approximations*, Journal of Wind Energy. **(Ready for Submission)**
4. Siddiqui MS, Rasheed A, Tabib M, Kvamsdal T, *Numerical Study Towards Stationary and Dynamic Stall Characteristics of NACA0015 Airfoil*, Journal of Wind Engineering & Industrial Aerodynamics. **(Ready for Submission)**

**Conference papers**

1. Siddiqui MS, Rasheed A, Tabib M, Kvamsdal T, Numerical Modeling Framework for Wind Turbine Analysis & Atmospheric Boundary Layer Interaction, AIAA SciTech Conference 2017, Grapevine Texas, USA. **(Accepted)**
2. Siddiqui MS, Rasheed A, Tabib M, Kvamsdal T, Explaining the Torque vs TSR Curve in a Fully Resolved Setting on a Mega Watt Size Wind Turbine. 14th Deep Sea Offshore Wind R&D Conference, Deepwind, Trondheim, Norway. **(Accepted)**
3. Siddiqui MS, Rasheed A, Tabib M, Kvamsdal T, Simulating Single turbine and associated wake development - validation and comparison of computational methods (Actuator Line Vs Sliding Mesh Interface Vs Multiple Reference Frame) , 14th Deep Sea Offshore Wind R&D Conference, Deepwind, 2017, Trondheim, Norway. **(Accepted)**
4. Siddiqui MS, Rasheed A, Tabib M, Kvamsdal T, On the interaction between Windfarms and Marine Boundary Layer, 37th International Conference on Ocean, Offshore & Arctic Engineering (OMAE) 2017, Trondheim, Norway. **(Accepted)**

**Poster presnetations**

1. Siddiqui MS, Rasheed A, Tabib M, Kvamsdal T, Fluid Surface Interaction(FSI) Analysis of Mega Watt Size Offshore Wind Turbine, Math Meets Industry Conference, 22-33 September, Trondheim, Norway.
2. Siddiqui MS, Rasheed A, Tabib M, Kvamsdal T, *Numerical Analysis of NREL 5MW Wind Turbine: A Study Towards a Better Understanding of Wake Characteristic and Torque Generation Mechanism* ”, The Science of Making Torque from Wind Conference, Torque, 4-7 October, Munich, Germany.
3. Siddiqui MS, Rasheed A, Kvamsdal T, Tabib M, *Three Dimensional Variable Turbulent Intensity Flow Field Characterization of a Vertical*

*Axis Wind Turbine*”, 12th Deep Sea Offshore Wind R&D Conference, Deepwind, 4-6 February 2015, Trondheim, Norway.

**Articles in preparation**

1. Siddiqui MS, Rasheed A, Tabib M, Kvamsdal T, *Reduce Order Model of Torque Generation on a Mega Watt Size Horizontal Axis Wind Turbine,* Journal of Wind Energy. **(In preparation)**