## JOURNAL PUBLICATIONS

- <u>Panchal, S.</u> et al. 2016. Experimental and simulated temperature variations in a LiFePO4-20Ah battery during discharge process. Applied Energy, vol. 180, pp. 504-515
- <u>Ghandehariun, S.</u> et al. 2016. Modeling of heat transfer from molten salt droplets using various gases. Int. J. Heat and Mass Transfer, vol. 105, pp. 140-146.
- <u>Iftekhar, H.</u> and Agelin-chaab, M. 2016. Structure of turbulent flows over forward facing steps with adverse pressure gradient. ASME J. Fluids Engineering, 138(11), 111202-111202-12.
- <u>Panchal, S.</u> et al. 2016. Experimental and theoretical investigation of temperature distributions in a prismatic lithium-ion battery. Int. J. Thermal Sciences, Vol. 99, pp. 204 – 212.
- <u>Abdel-Rahman, A.</u> et al. 2016. Integrated aero-thermal testing of a race car in a full scale climatic wind tunnel. SAE International, Technical Paper # 2016-01-1588.
- Panchal, S. et al. 2016. Thermal modeling and validation of temperature distributions in a prismatic lithium-ion battery at different discharge rates and varying boundary conditions. Applied Thermal Engineering, Vol. 96, 190-199.
- <u>Panchal, S.</u> et al. 2016. Experimental temperature distributions in a prismatic lithium-ion battery at varying conditions. Int. Communications in Heat and Mass Transfer, Vol. 71, pp. 35-43.
- <u>Panchal, S.</u> et al. 2016. Experimental and theoretical investigation of heat generation rates for a water cooled LiFePO4 battery. Int. J. Heat and Mass Transfer, Vol. 101, pp. 1093 - 1102.
- Shao, W. J. and Agelin-chaab, M. 2015. Turbulent flows over forward facing steps with surface roughness. ASME J. Fluids Engineering, 138(2), 021103 (12 pages).
- Khasow, R. et al. 2015. Experimental investigation of underbody thermal and aerodynamic flow-field features. SAE Int. J. Passeng. Cars
  Mech. Syst., Vol. 8, No. 1, 146-154.
- Agelin-Chaab, M. 2014. Structure of turbulent flows over twodimensional bluff bodies inspired by a pickup truck geometry. Int. J. Heat and Fluid Flow, Vol. 50, pp. 417-430.
- <u>Suleman, F.</u>, Dincer, I. and Agelin-Chaab, M. 2014. Development of an integrated renewable energy system for multi-generation. Energy, Vol. 78, pp. 196–204.

- Adaramola, M.S., Agelin-Chaab, M. and Paul, S.S. 2014. Analysis of hybrid energy systems for application in southern Ghana. Energy Conversion and Management, Vol. 88, pp. 284-295.
- <u>Suleman, F.</u>, Dincer, I. and Agelin-Chaab, M. 2014. Energy and exergy analyses of an integrated solar heat pump system. Applied Thermal Engineering, Vol. 73, No. 1, pp. 557-564.
- Adaramola, M.S., Agelin-Chaab, M. and Paul, S.S. 2014. Assessment of wind power generation along the coast of Ghana. Energy Conversion and Management, Vol. 77, pp. 61-69.
- Agelin-Chaab, M. and Tachie, M.F. 2013. Open channel turbulent flow past rectangular cylinders at incidence. ASCE J. Hydraulic Engineering, Vol. 139, No. 12, pp. 1309-1313.
- Agelin-Chaab, M. and Tachie, M. F. 2011. Characteristics of turbulent three-dimensional offset jets. ASME J. Fluids Engineering, Vol. 133, No. 5, pp. 051203 (9 pages).
- Agelin-Chaab, M. and Tachie, M. F. 2011. Characteristics of turbulent three-dimensional wall jets. ASME J. Fluids Engineering, Vol. 133, No. 2, pp. 021201 (12 pages).
- Agelin-Chaab, M. and Tachie, M. F. 2011. Characteristics and structure of turbulent 3d offset jets. Int. J. Heat and Fluid Flow, Vol. 32, No. 3, pp. 608-620.
- Agelinchaab, M., Tsikata, J. M., Tachie, M. F. and Adane, K. K. 2008. Turbulent wake of rectangular cylinder near a plane wall and a free surface. AIAA J., Vol. 46, No. 1, pp.104-117.
- Agelinchaab, M., Tachie, M. F. and Ruth, D. W. 2006. Velocity measurement of flow through a model three-dimensional porous medium. Physics of Fluids, Vol. 18, No. 1, pp. 017105-017116.