Editorial

We present the second as well as the last issue of the Transactions on Machine Design.

In the first paper on "**Predicting Daily Mean Solar Power Using Machine Learning Regression Techniques**" the authors *Faizan Jawaid and Khurum NazirJunejo* have proposed models to forecast mean solar power. The authors have presented a comparative analysis of forecasting through artificial neural networks (ANN) against the standard regression algorithms. In the paper they have used various regression algorithms have been used in conjunction with various parameters related to solar irradiance.

In the second paper on "**Dynamical Modeling and Control of Quadrotor",** the authors Faizan Shahid and *Muhammad Bilal Kadri, Nasir Aziz Jumani* and *Zaid Pirwan* have described a dynamical modeling of a quadrotor with different frame of references. The simulation results confirm that the Quadrotor (UAV) is following the desired trajectory with a less deviation.

In the last paper on "**Wear Characteristics of Chilled Aluminum Alloy Reinforced Matrix Composites (NMMCs) for Automotive Applications**" the authors *Balakumar* and *Joel Hemanth* have developed the aluminum alloy (LM 13) reinforced with varying weight. They found that the experimental results exhibit a limiting load known as transitional load beyond which the material experiences 'seizure'.

The published papers mark technical merit in the content.

Editors