

Editorial

We present the second issue of the **Transactions on Machine Design** with the below papers.

In the first paper on “**Vilekin’s additional theorem for Legendre functions and rotation-based measurements**”, the authors applied Vilenkin’s additional theorem with circular apertures to measure the coupling calculations. They measured the vector-Legendre transformations of basis and test functions by keeping the domain over the aperture at an arbitrary level. Finally, they increased the rotation-based measurements using the classical approach for the numerical measurements.

In the second paper on “**3D Motor Simulation using Low pass Filters and magnitude response measures**”, the authors prepared the design of the Chebyshev low pass filter. The authors transformed the low pass filter with real lossy reactive elements and simulated the 3D EM simulator. To experiment with the design created, they simulated the filter obtained the values for S-parameters and compared them.

In the last paper on “**Regulation strategies for induction motors and its impact on designs**”, the authors presented the induction motor regulation strategies. have presented the methods of speed control for induction motors, which have pros and cons. They made prepositions with speed control for some selected duty-type cycles.

We hope that these papers generate more interest for further research.

Editors