Editorial

We bring the first issue of the eighth volume of the **Transactions on Machine Design**. This issue has the below described research works.

In the first paper on **"YOLO based License Plate Detection using CNN"** the authors *Ankith Kowshik, Anil Kumar, Gagan Deepa, Anoop* and *Asha* did a study based on 'you only look once' (YOLO) object detection algorithm that detects and recognized license plates on conventional environments. This study tried to solve this problem by using a version of YOLOv2 (improved version of YOLO). The results are proved to be acceptable as the real time detection up to mean average of 9.8 FPS when running in Nvidia GT 940M graphics card.

In the second paper on **"Experimental Study on Phase Change Energy-storing Material"** the author *Gong-xue Hunag* selected the half water gypsum board and diatomite as the main raw material, and added lime and mullite fiber preparation of ordinary gypsum board. Ultimately this study analyzed and discussed the quality of the relationship between prepared phase change energy-storing gypsum board and the dipping time.

In the last paper on **"Integration and Analysis of Clinical and Genomic Data of Neuroblastoma applying Conceptual Modeling"** the authors *Sipan Arevshatyan, José Fabián Reyes Román, Verónica Burriel, Adela Cañete3 Victoria Castel* and *Óscar Pastor* have presented a Conceptual Model of Neuroblastoma (CMN), which defines all elements involved in the clinical and genomic domain. ii) to apply the SILE method, in order to obtain all (clinically) relevant variations associated with Neuroblastoma from genomic data sources. The developed GeIS is intended to make the correct exploitation of the validated data set to provide an early and efficient risk assessment for patients with Neuroblastoma.

Hope the papers of this issue mark the technical strength of the research.

Editors