Editorial

We are pleased to release the seventh volume of the **Transactions on Machine Design**.

This issue has the following papers. In the first paper on "**Optimization of End-to-End Deep Learning for Obtaining Human-Like Driving Models**" the authors *Erik Dovgan, Jaka Sodnik* and *Bogdan Filipic* viewed that the human-like driving models can help companies in the evaluation of human drivers. They tested their approach and found that only a small set of driving data can be typically collected for each driver, which represents an issue for advanced modeling approaches.

In the next paper on "**Electric Vehicle Routing Problem: State of the Art**", the authors *Jihane Serrar, Rachid ELLAIA* and *El-Ghazali Talbi* surveyed the existing research related to electric vehicle routing problems (EVRP) and their variants. The study examined the EVRP in terms of their definitions, their objectives, and algorithms proposed for solving them.

Marko Mehle and *Luka Kurnjek* in the third paper on "**Particle Accelerators as Medical Devices"** stated that the Proton and Carbon Ion therapy machines are used to accelerate a beam of particles and to deliver it very accurately for various medical applications including cancer. The aim of this work is to present a starting point for understanding what it takes to make a Particle Therapy Machine.

In the last paper on "**Wireless Sensor Prototype for Industrial Harsh Environments**" the authors *Marko Pavlin, Spela Poklukar, Gregor Papa* and *Franc Novak* described the MANTIS project which comprises eleven distinct industrial partners and deals with maintenance use cases in different environments such as industrial machines, vehicles, renewable energy assets. They presented a solution of wireless pressure sensor developed for possible replacement of the existing cable-connected sensors in a harsh industrial environment.

The papers have interdisciplinary approach in the machine designs.

Editors