

Editorial

We now release the first issue of the ninth volume of the **Transactions of Machine Design**.

In the first paper on “**Designing the printed dog-borne dipole structure**”, the authors described a system for designing a printed dog-bone dipole antenna. The authors have presented the numerical and experimental models of the printed structure. They have analysed the structure on values of shielding effectiveness. The authors have modified the three parallel positions inside the enclosure in order to find acceptable results.

In the second paper on “**Study of the thermal Impact of the human skin in the UMTS network**”, the authors have presented the thermal impact of the human skin in the UMTS network. They designed designing of biological structures which is organized using the thermos visual system with infrared camera. During experimentation the authors received the biological mechanism for adaptation in different conditions and biological processes involved in the process.

In the last paper on “**A model for measuring the outage conditions in the presence of atmospheric turbulence**”, the authors have studied the outage conditions of FSO system with acceptable parameters. For the study they have used laser beam propagation during the normal turbulence. Finally, the authors have arrived at the closed form of expressions to measure the outage conditions.

We hope that the papers of this issue are interesting as they addressed various design issues.

Editors