

VIRTUAL SEMINAR
Thursday, 6.5.2021 at 13:00

MPŠ Seminar 2

**Design of smart phone self-charger, based on
a permanent magnet**

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In this time, due to the evolution of the information industry and technologies, the purpose of a smartphone is not only to communicate, but also to help people in various areas, such as online classes and meetings, internet banking, web browsing and social media applications. The performance of smartphones has been drastically improved due to various new functions., which is, on the other hand, related to an increased energy consumption. Although the capacity of smartphone batteries is substantially enhanced in a comparison to the conventional batteries, the convenient rechargeable times are getting shorter. Therefore, it is desired to charge the battery whenever it is possible to convert any type of energy into electricity, for example, during the walking of the phone carrier. We propose a self-generation system based on the magnetic induction upon oscillation of a permanent magnet in a coil.

Kindly invited.