



Magnetorheological Actuators and Dampers

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Message from the Guest Editors

Dear Colleagues,

Semi-active magnetorheological (MR) actuators and dampers have been commonly used in diverse applications such as vehicular seat suspension, passenger car suspension, engine mount vibration control, medical rehabilitation, robotics, or anti-earthquake structures. However, various factors, namely durability, temperature operating range, weight, cost, etc., have delayed the progress and the commercialization of the technology in certain areas. Therefore, the goal of this Special Issue is to cover the novel designs and applications of semi-active MR dampers and actuators. Theoretical inquiries presenting models capable of predicting the behavior of such devices and preferably supported by experimental studies are also welcome. Finally, the editors would like to invite research studies documenting recent progress in developing dedicated application-oriented MR fluid formulations.

We kindly invite you to submit a manuscript(s) for this Special Issue. Full papers and topical reviews are all welcome.

Dr. Michal Kubík
Dr. Janusz Gołdasz
Guest Editors

