

PhD position in dynamics and vibrations at Michigan State University

The **Vibration and Dynamics Research Laboratory** in the Department of Mechanical Engineering at Michigan State University (MSU) has an opening at the level of PhD, starting Spring 2022 or Fall 2022. The research conducted in the laboratory concentrates on applying fundamental knowledge of nonlinear dynamics and vibrations to achieve energy harvesting and vibration mitigation. Applications include electricity-regenerative vehicle suspensions and ocean wave energy conversion. The research involves multidisciplinary and fundamental studies on stochastic and nonlinear dynamics, and electromechanical systems.

Candidates must have an earned BS or MS degree in Mechanical Engineering or a closely related field such as engineering mechanics. A solid background of dynamics and vibrations is required, and knowledge of nonlinear and stochastic vibrations, electromechanical systems, solid mechanics, and control is preferred but not required.

Please send your CV, academic transcripts, GRE/TOEFL scores, and other supporting documents as one PDF attachment to Dr. Wei-Che Tai at taiweich@msu.edu. A list of related publications is welcome but not required. The subject line must start with "Ph.D. Application". Review will start immediately and continue until the position is filled. Financial support in terms of research assistantship and teaching assistantship is available for the successful candidate.