



## Inverse Dynamics Problems

Guest Editor:

### Dr. Hamed Kalhori

1. School of Mechanical and Mechatronic Engineering, University of Technology Sydney, Sydney, NSW 2007, Australia  
2. Department of Mechanical Engineering, Faculty of Engineering, Bu-Ali Sina University, Hamedan 65167-38695, Iran

Deadline for manuscript submissions:

**closed (30 November 2020)**

### Message from the Guest Editor

The objective of this Special Issue is to create a forum of discussion, for research scientists and engineers working in the area of inverse structural dynamics and inverse rigid body kinematics. We invite researchers to submit both original research and review articles.

The Special Issue will cover a range of topics including but not limited to the following:

- Impact force identification;
- Time-varying load identification;
- Moving load identification;
- Bridge-weight-in-motion systems;
- Vehicle–bridge interaction dynamics;
- Regularization in force identification;
- Uncertainties in inverse dynamics problems;
- Time-varying system identification;
- Sound source reconstruction;
- Experimental modal analysis;
- Operational modal analysis;
- Inverse dynamics with application in structural health monitoring;
- Human body and animal body inverse dynamics problems.

[mdpi.com/si/43294](https://mdpi.com/si/43294)



[mdpi.com/si/43294](https://mdpi.com/si/43294)

# Special Issue