

Special Issue

Inverse Dynamics Problems

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.

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Guest Editor

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Deadline for manuscript submissions

closed (30 November 2020)



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About the Journal

Message from the Editor-in-Chief

Editor-in-Chief

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Author Benefits

High Visibility:

indexed within Scopus, ESCI (Web of Science), and other databases.

Journal Rank:

CiteScore - Q2 (Engineering (miscellaneous))

Rapid Publication:

manuscripts are peer-reviewed and a first decision is provided to authors approximately 20.8 days after submission; acceptance to publication is undertaken in 3.6 days (median values for papers published in this journal in the second half of 2025).

