

# Preface

## Editorial: Special Issue on

### “Special Issue on “Forensic Research on Steel/Composite Structures and Geo/Hydro Systems”

This special issue (Part I & Part II) of Steel and Composite Structures: An International Journal presents selected contributions under the theme of forensic research on steel/composite structures and geo/hydro systems. The objective of this issue is to highlight advanced techniques and innovative approaches for understanding structural performance, deterioration, and failure mechanisms across a wide range of infrastructures.

The papers cover experimental investigations, numerical modeling, and analytical studies, reflecting both established methods and emerging technologies. Topics include structural evaluation of steel and composite systems, geotechnical and hydraulic system failure analysis, InSAR-based ground monitoring, material behavior under extreme conditions, and data-driven applications such as machine learning in civil and forensic engineering.

By bringing together these diverse studies, the special issue (Part I & Part II) provides a platform for sharing new insights and solutions that contribute to safer and more resilient infrastructure. We hope that the findings and discussions presented here will stimulate further research and broaden the scope of forensic engineering in steel/composite structures and geo/hydro systems.

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