



INTERNATIONAL JOURNAL OF
**GEOENGINEERING
CASE HISTORIES**

A journal of the ISSMGE Report to the Council



by Co-Editors-in-Chief:
Dimitrios Zekkos & Jean-Louis Briaud



June 14, 2026 · Vienna, Austria



Peer-Reviewed

Diamond Open Access

The Case Histories Journal is a **peer-review, diamond-level open access** journal on the geotechnical engineering practice with a focus on careful documentation of case histories.



Case Histories Focused

Or full-scale experiments

Focus is on lessons learned from case histories and on real data collected from projects with the intent to carefully document the geologic environment's and infrastructure response.



Focused on Impact to the Profession

Quality content for engineers around the World

Diamond-level open access means no fees are charged to either readers or authors. This we consider a precondition to make an **impact in geotechnical practice globally**.

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To improve integration between the Journal and the ISSMGE, TCs now appoint Editorial Board Members to the Case Histories Journal.

Responsibilities of Liaisons:

- Review up to 5 papers per year;
- Publication of one (or more) special issue under the auspices of the TC in the next four years;

1

Co-Editor-in-Chief

Prof. Jean-Louis Briaud is stepping down from his role as co-Editor in Chief. A new one will be identified soon.

2

TC Liaisons

Dr. Shehab Agaiby, from Cairo University and Dar Al Handasah stepping down from discontinued role of TC Liaisons

3

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Dr. Suzanne Lacasse kindly agreed to serve as Ombudsperson in place of **Dr. Michelle Jamiolkowski**, who sadly passed.

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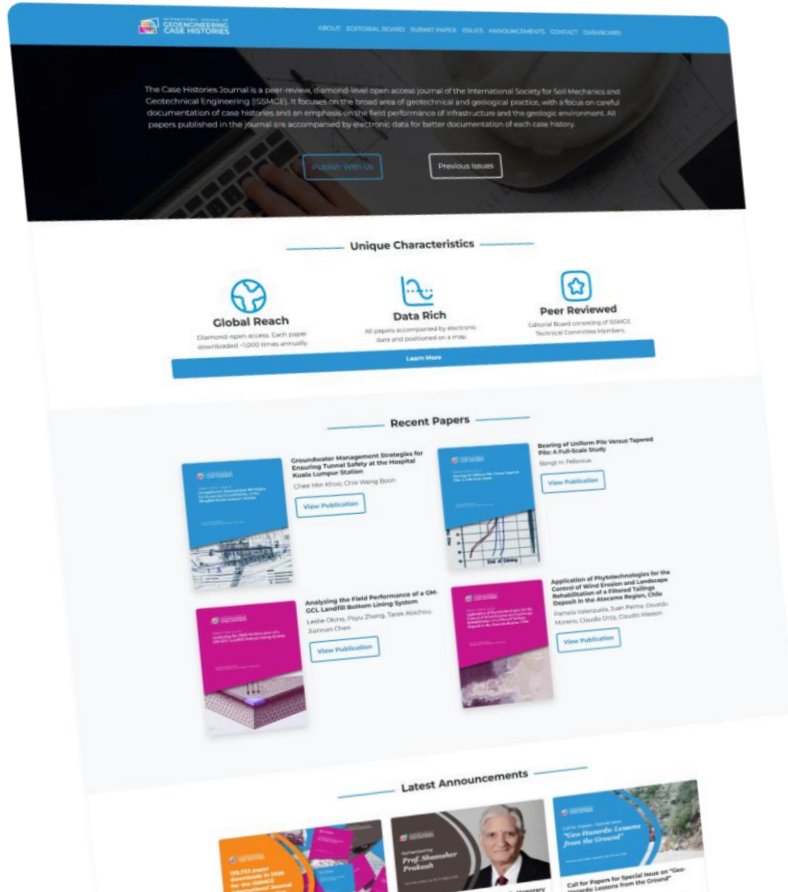


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We thank everyone for their leadership role.

New Journal Website



Launched October 2025

New website and online paper review system published.



Single Sign-On

Unified login for Journal, GeoWorld & ISSMGE platforms.

www.geocasehistoriesjournal.org

High Reach of Papers Published in the Journal

155

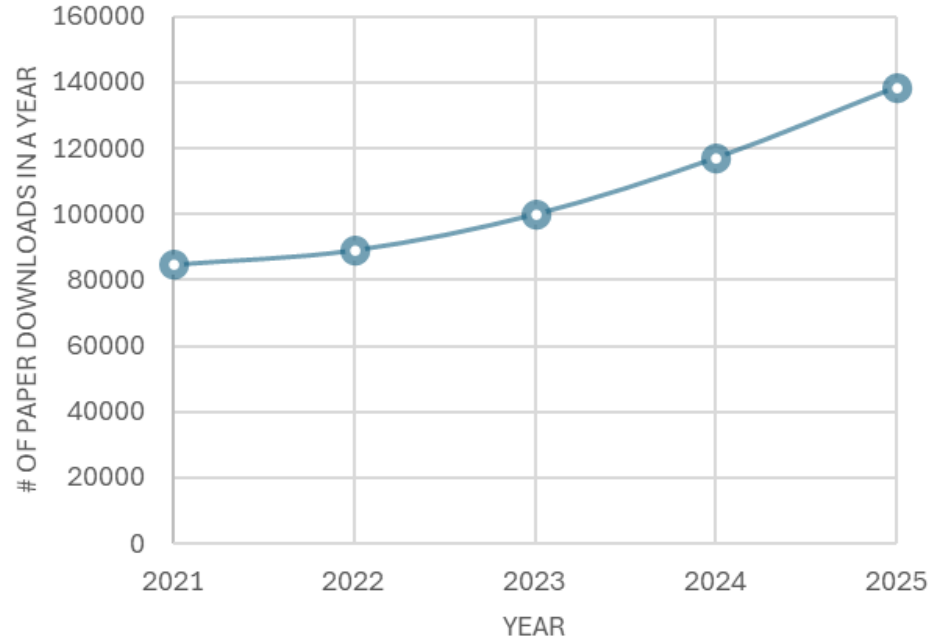
Total number of papers
published in the Journal

138,733

No. of paper
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895

Average downloads per
paper in one year.



An impressive impact in terms of downloads!

Top 10 Most Downloaded Papers in 2025

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1

Leaning Tower of Pisa: Behaviour after Stabilization Operations

Burland J.B., Jamiolkowski M.B., Viggiani C. (2009)

3,851 ↓

21,230 ↓

2

The Washington Monument Case History

Briaud J-L., Smith B., Rhee K-Y., Lacy H., Nicks J. (2009)

2,727 ↓

16,417 ↓

3

The July 10 2000 Payatas Landfill Slope Failure

Jafari, N. H., Stark, T. D., Merry, S. (2013)

2,687 ↓

22,412 ↓

4

Design Process of Deep Soil Mixed Walls for Excavation Support

Rutherford, C.J., Biscontin, G., Koutsoftas, D., Briaud, J.L. (2007)

2,564 ↓

17,766 ↓

5

Ground Improvement using Pre-loading with Prefabricated Vertical Drains

Dhar, A. S., Siddique, A., Ameen, S. F. (2011)

2,441 ↓

15,742 ↓

6

St. Isaac Cathedral (St. Petersburg, Russia): A Case History

Shidlovskaya, A., Briaud, J. L., Mohammadrajab, M. (2017)

2,166 ↓

7,807 ↓

7

Effect of Dredging and Axial Load on a Berthing Structure

Muthukkumaran K., Sundaravadivelu R., Gandhi S.R. (2007)

2,081 ↓

12,538 ↓

8

Post-Liquefaction Free-Field Ground Settlement Case Histories

Olaya, F. R., Bray, J. D. (2023)

2,066 ↓

3,363 ↓

9

Unexpected but foreseeable mat settlements on Piedmont residuum

Mayne, P. W. (2005)

2,025 ↓

15,154 ↓

10

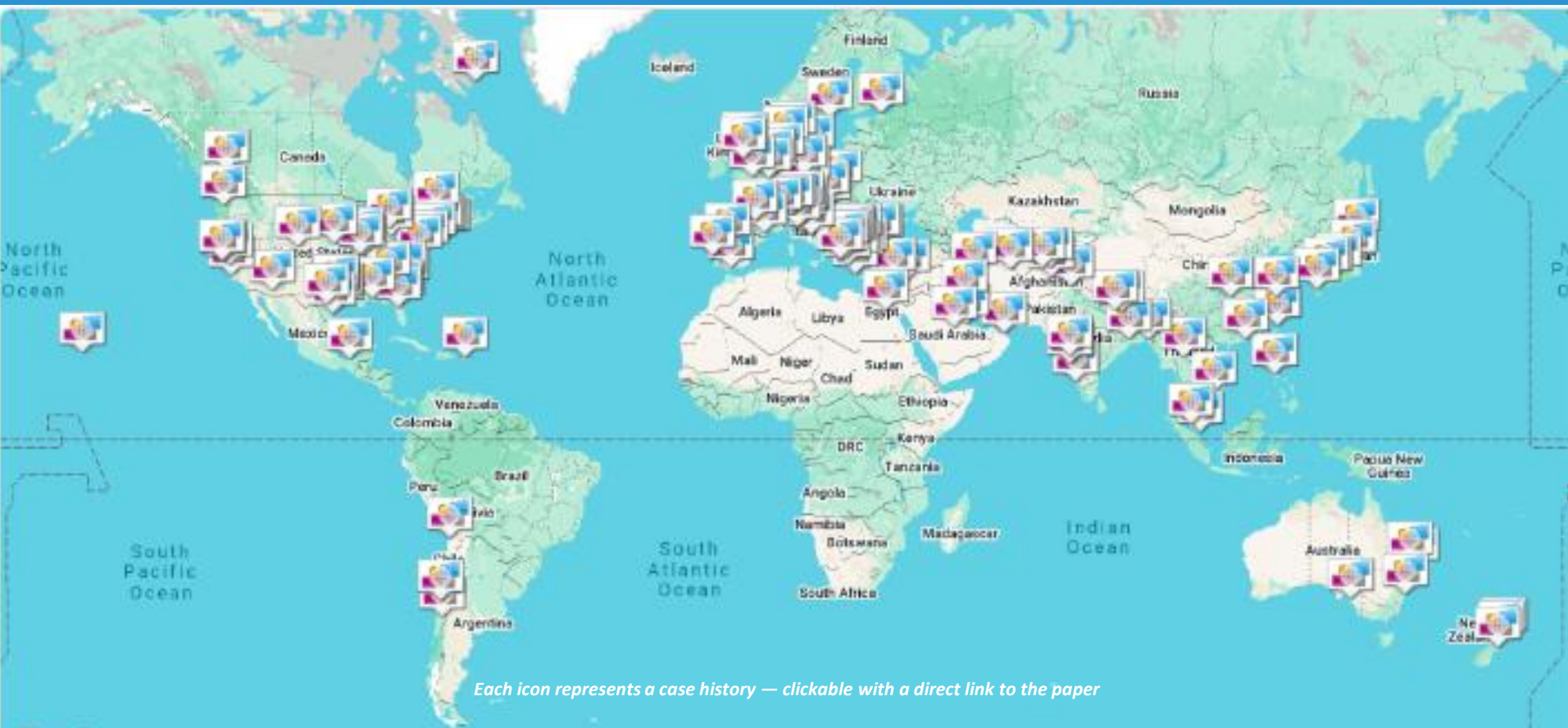
Case Histories of Bored Tunnelling Below Buildings in Singapore

Goh, K. H., Ng, S., Wong, K. (2016)

1,926 ↓

12,294 ↓

Geographic Database with all papers published in Journal



All papers accompanied by Digital Data

 INTERNATIONAL JOURNAL OF
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ABOUT EDITORIAL BOARD SUBMIT PAPER ISSUES ANNOUNCEMENTS CONTACT DASHBOARD

Practical Design, Numerical Analysis, and Site Monitoring for Huge Arching Effect during Massive Excavation of Undercut Slope in Open-Pit Mine

Volume 7 – Issue 1

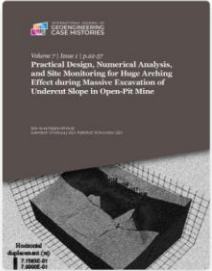
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Keywords

Slope Stability, Undercutting, Arching, Open-Pit Mines

Abstract

This paper reviews a successful case history where applications of numerical predictions for a massive excavation were undertaken for both Class A and Class B predictions. Forming a stable arch across the pit of an open-pit mine is beneficial to the design of an undercut slope. However, predicting the maximum stable undercut width under which the slope does not collapse is a challenging problem in geotechnical engineering. Slope undercutting techniques

Excel Data Files

At a minimum, excel file with data shown in Figures of the paper.

Supplementary Data

Larger supplementary data accommodated.

Increased Impact

Digital data increases the impact of the submitted papers and advance our field.

48%

**Acceptance
rate**

116

**Average # of
days to first
round decision**

264

**Average # of days
from submission to
publication**

*(includes several
rounds of reviews)*

Goal

Tap to existing TCs for publication of technical material.

Special Issues Published in last four years

TC218

Reinforced Fill Structures

by Guest Editors Ivan P. Damians and Giulia Lugli

TC213

Scour and Erosion

by Guest Editor Shinji Sassa

TC215

Environmental Geotechnics

by Guest Editor Andrea Dominijanni

We want to do more of these special issues.

New TC-appointed Editorial Board Members are going to help us do that.

The Case Histories Journal is presently indexed by:



GeoRef



Google Scholar

Indexing of the journal by additional databases (e.g. Scopus) is underway, as there are additional requirements.

The Case Histories journal is a Diamond Open Access Journal. The Open Access Mission is made Possible by the following forward-looking organizations:



Dar Al-Handasah group
(Thanks to Dr. Roger Estephan)



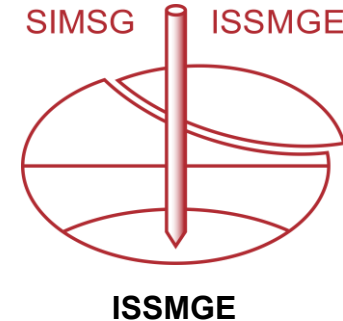
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INTERNATIONAL JOURNAL OF
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On behalf of the ISSMGE International Journal of
Geoengineering Case Histories,

thank you for your attention.

We invite you to submit a Case History to the ISSMGE
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