

Basic Search and FullText Access  
from  
American Society Of Civil Engineers  
ASCE Journals

Revised since 22/11/2021



# NUsearch

Go to <https://nusearch.nottingham.edu.my> and click on 'Sign in'

What are you looking for? 

Advanced search

All items ▾ with the words ▾ anywhere in the record ▾

## Welcome to NUsearch Malaysia

There have been some changes to library eResources links.

For more information, visit our [news article](#).

Due to scheduled maintenance, NUsearch may be unavailable weekly **from 11pm Saturday to 2am Sunday**.

## Where can I get help?

[Need help?](#) is always available from the NUsearch menu, and further help and support can be found on the [Library website](#).

For any enquiries and assistance, please contact [libraryservices@nottingham.edu.my](mailto:libraryservices@nottingham.edu.my)

You may also drop-in to our [Chat with your librarian sessions](#) (Monday to Friday, 2pm-5pm) on MS Teams.

## News

## Free e-resources available during




# NUsearch

What are you looking for?

Advanced search

All items with the words anywhere in the

### Sign in options

- University IT account  
- Community borrowers 

Cancel


Select "University IT account"

## Welcome to NUsearch Malaysia

There have been some changes to library eResources links.  
For more information, visit our news article.

Due to scheduled maintenance, NUsearch may be unavailable weekly from 11pm Saturday to 2am Sunday.

## Where can I get help?

Community borrowers 

Need help? is always available from the NUsearch menu, and further help and support can be found on the Library website.

For any and assistance, please contact

You may also drop-in to our Chat with your librarian sessions (Monday to Friday, 2pm-5pm) on MS Teams.

## News

## Free e-resources available during



Welcome to The University of Nottingham's  
Malaysia Campus' Shibboleth IDP Service

Login to NUsearch Malaysia

Username

Password

Login

Type in your **university username & password** and click on **Login**

**Note:** Please ensure that you are at the authentication page with **Malaysia URL link(.edu.my)**



NUsearch Malaysia is the library search interface offered by the Malaysia campus at the University of Nottingham

# NUsearch

What are you looking for?

All items ▾

with the words ▾

anywhere in the record ▾

Your name appeared on the top of the homepage indicates that you have successfully logged in to NUsearch. Then, click on “**Databases**”.

## Welcome to NUsearch Malaysia

There have been some changes to library eResources links.

For more information, visit our [news article](#).

Due to scheduled maintenance, NUsearch may be unavailable weekly **from 11pm Saturday to 2am Sunday**.

## News

## Where can I get help?

[Need help?](#) is always available from the NUsearch menu, and further help and support can be found on the [Library website](#).

For any enquiries and assistance, please contact [libraryservices@nottingham.edu.my](mailto:libraryservices@nottingham.edu.my)

You may also drop-in to our [Chat with your librarian sessions](#) (Monday to Friday, 2pm-5pm) on MS Teams.

## Free e-resources available during

# NUsearch

Find databases ASCE [X] [Magnifying Glass Icon]

- 0-9 A B C D E F G H I J K L M N O P Q R S T U V W X Y Z

1

Type in the **full** or **partial name** of the **database** and click on magnifying glass icon to search

1 Results

## Databases by category

- > Aerospace engineering
- > Biochemistry
- > Biology
- > Business and management
- > Chemical engineering
- > Chemistry

1 **American Society Of Civil Engineers ASCE Journals** Quote Email Pin More  
ASCE publishes 33 journals on civil engineering research and practice. For more information: <http://www.asce.org/PPLContent.aspx?id=17273>  
**Available online** [Checkmark] [Arrow]

2

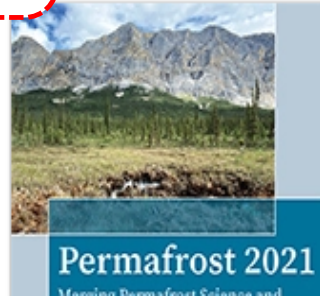
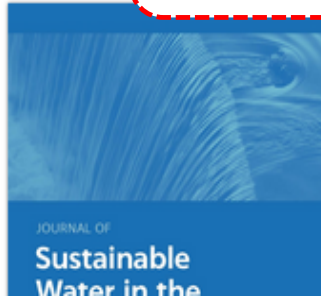
Once the database is found, then click on the **'Available online'** link to access it.

Results Per Page:  25 50

# Welcome to the ASCE Library!

## Find the Right Solution for Your Project.

Type in any **keyword** or **keyphrase** and click on the magnifying glass icon **OR** hit **ENTER** at your keypad/keyboard.



You may select filter options and narrow down your search result

RESULTS: 1 - 20 of 26011

ARTICLE TYPE	
Technical Paper	12751
Chapters/Proceedings Papers	10524
Discussion	578
Technical Note	426
Front Matter	401
More (19)	
AUTHOR	
van de Lindt, John W	103
Bruneau, Michel	99
Seed, H Bolton	89
Chopra, Anil K	85

Refine SORT: RELEVANCE DATE

**Advancing Earthquake Engineering Research through Cyberinfrastructure**

Journal of Structural Engineering July 2013 | Volume 139, Issue 7 (1099 - 1111)  
Online publication date: June 14, 2013

See more FULL ACCESS

Click on your interested article's title link

**Defining Misconceptions in Earthquake Engineering Education**

Structures Congress 2014 | (1106 - 1113)

See more FULL ACCESS

**The Role of Analysis in Geotechnical Earthquake Engineering**



Technical Papers

Downloaded 562 times

DETAILS FIGURES REFERENCES RELATED

# Advancing Earthquake Engineering Research through Cyberinfrastructure

Thomas Hacker; Rudolf Eigenmann; and Ellen Rathje, M.ASCE

FULL TEXT DOWNLOAD TOOLS SHARE

## Abstract

This paper describes the National Science Foundation George E. Brown, Jr. Network for Earthquake Engineering Simulation (NEES) and examines the evidence that this infrastructure is facilitating earthquake engineering research.

Click on 'DOWNLOAD' OR 'FULL TEXT' link to access the article

## Authors

### Thomas Hacker

Associate Professor, Computer and Information Technology, National Science Foundation George E. Brown, Jr. Network for Earthquake Engineering Simulation, Purdue Univ., West Lafayette, IN 47907 (corresponding author). E-mail: [tjhacker@purdue.edu](mailto:tjhacker@purdue.edu)

### Rudolf Eigenmann

Professor, School of Electrical and Computer Engineering, National Science Foundation George E. Brown, Jr. Network for Earthquake Engineering Simulation, Purdue Univ., West Lafayette, IN 47907. E-mail:



The file is ready to be saved and print

# Advancing Earthquake Engineering Research through Cyberinfrastructure

Thomas Hacker<sup>1</sup>; Rudolf Eigenmann<sup>2</sup>; and Ellen Rathje, M.ASCE<sup>3</sup>

**Abstract:** This paper describes the cyberinfrastructure (CI) of the George E. Brown, Jr. Network for Earthquake Engineering Simulation (NEES) and examines the evidence that this infrastructure is facilitating earthquake engineering research. Among the key features of the CI are the NEES Project Warehouse (PW), which is a data repository for earthquake engineering, an environment that supports the use of tools for web-based data analysis and simulation, and tools that support research collaboration. The value that such CI offers to the user community is discussed. The CI also gathers a myriad of usage statistics, some of which are presented in this paper. Among them are the number of users, pageviews, recorded NEES projects, and other stored resources. This information demonstrates that the CI is used significantly and increasingly so. DOI: [10.1061/\(ASCE\)ST.1943-541X.0000712](https://doi.org/10.1061/(ASCE)ST.1943-541X.0000712). © 2013 American Society of Civil Engineers.

**CE Database subject headings:** Earthquake engineering; Internet; Information systems; Research.

**Author keywords:** NEES; Earthquake engineering; Cyberinfrastructure.

## Introduction

Today's earthquake engineering research involves a significant emphasis on physical experiments conducted in large-scale civil engineering laboratories or in the field. The projects use equipment such as shake tables, centrifuges, and actuators mounted on reaction

- Collects experimental results and makes them available for reuse by researchers, practitioners, and educational communities;
- Strives to bring uniformity into processes and data formats;
- Maintains computer tools needed by the community;
- Makes the tools easily accessible; and
- Supports the collaboration of geographically distributed groups.