

# ASCE (American Society of Civil Engineers) 매뉴얼

신원데이터넷

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1. 출판사 소개 및 수록내용
2. Browse by eBook in ASCE
3. Search in ASCE (기본검색, 고급검색)
4. User Service in ASCE

## □ 출판사 소개

토목 및 환경공학 관련 학회인 American Society of Civil Engineers (ASCE)는 최신의 교량, 빌딩, 상 하수도 시스템에 관한 최신 기술자료 및 연구에 관한 정보를 제공하고 있습니다.

## □ 수록내용

- 주제분야 : 토목 및 환경공학
- 제공연도 : 1983 ~ 현재
- 제공종수 : 저널 38종 + Proceedings 약 750 Vol. 제공
- Service URL : <https://www.ascelibrary.org/>

## 2. Browse ebook in ASCE

- ASCE ebook 보기

The screenshot shows the ASCE Library website interface. At the top, there is a search bar and navigation tabs for JOURNALS, BOOKS, MAGAZINES, AUTHOR CENTER, USER SERVICES, and TOPICS. The 'BOOKS' tab is selected. Below the navigation, there is a 'Browse Books' section with a heading 'Use filters to browse titles.' and a pagination indicator '1 - 20 of 466 Books'. A 'Sort by: Most recent' dropdown menu is visible. The main content area displays two book entries: 'Designing to the Strongest Ground Motions' by Praveen K. Malhotra (2023) and 'Navigation Channel Sedimentation Solutions' by the Navigation Channel Sedimentation Task Committee (2023). On the left side, there are three filter sections: 'TITLES' with an alphabetical grid (A-Z), 'PUBLICATION DATE' with a range slider from 1985 to 2023, and 'TOPICS' with categories like 'Structural Engineering' and 'Environment and Water Resources'. Several blue callout boxes with white text provide instructions and information: 'Click 후 Books 접속' points to the BOOKS tab; 'ebook 알파벳별 필터링' points to the alphabetical filter; '출판연도/ 토픽 / 시리즈별 필터링' points to the filter sections; '최근 출판 순, 오래된 출판 순, 알파벳 순 정렬 가능' points to the sort dropdown; and '해당 ebook 페이지로 이동' points to the book titles.

## 2. Browse ebook in ASCE

- ASCE ebook 보기

The screenshot shows the ASCE Library interface for the ebook 'Designing to the Strongest Ground Motions'. The top navigation bar includes 'ASCE LIBRARY', a search bar, and a shopping cart icon labeled 'SHINWON Demo'. Below the navigation are categories: JOURNALS, BOOKS, MAGAZINES, AUTHOR CENTER, USER SERVICES, TOPICS, SUBMIT, SUBSCRIBE, and RECOMMEND. The main title 'Designing to the Strongest Ground Motions' is displayed in a large font. A callout box on the left highlights features: 'My Favorites에 추가, Email 전송, Citations 알림, Citation 다운로드, Email 알림 가능'. A callout box on the right highlights: '원문 상세정보, 관련자료 제공'. Below the title, there is an 'Abstract' section and a 'Topics include' list. On the right side, there is a book cover image, ISBN information (print and PDF), author details (Praveen K. Malhotra, Ph.D., P.E.), a DOI link, and a list of ASCE Book Series.

**ASCE LIBRARY** SHINWON Demo

JOURNALS BOOKS MAGAZINES AUTHOR CENTER USER SERVICES TOPICS SUBMIT SUBSCRIBE RECOMMEND

### Designing to the Strongest Ground Motions

My Favorites에 추가, Email 전송, Citations 알림, Citation 다운로드, Email 알림 가능

원문 상세정보, 관련자료 제공

#### Abstract

*Designing to the Strongest Ground Motions* determines the strongest ground motions from data, rather than predictions, and discusses the design of structures to withstand the strongest ground motions. Future ground motions are highly uncertain, but the response of structures to future ground motions will not be uncertain if structures are designed to the strongest ground motions. Uncertainty is not an option in the design of structures whose collapse can be catastrophic.

Topics include

- Characteristics of collapse-inducing ground motions, including energy-demand and cyclic-demand;
- Strongest ground motions from >200,000 instrument-year of recorded data worldwide;
- Comparison between predicted and recorded ground motions;
- Seismic characteristics and analysis of structures, including seismic-toughness and cyclic-capacity;
- Practical nonlinear analysis of structures;
- Role of aftershocks and number of cycles in seismic design; and

ISBN (print): 978-0-7844-1618-1  
ISBN (PDF): 978-0-7844-8519-4

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#### ASCE Book Series

ASCE Press  
Council on Disaster Risk Management (CDRM) Monographs  
Geotechnical Practice Publication (GPP)  
Geotechnical Special Publication (GSP)  
Infrastructure Resilience Publication (IRP)  
Lecture Notes in Mechanics (LNMECH)  
Manuals of Practice (MOP)  
Proceedings  
Society Special Publications  
Standards

# 3. Search in ASCE

- 기본 검색

The screenshot displays the ASCE Library website interface. At the top, there is a blue navigation bar with the ASCE LIBRARY logo on the left and a search bar on the right containing the text 'Search term(s)'. Below the navigation bar, a white banner features the text '검색하고자 하는 Keyword 입력 후 클릭' (Click after entering the keyword you want to search for) with a magnifying glass icon. The main content area shows a featured article titled 'Seismic Evaluation and Retrofit of Existing Buildings' under the category 'Standard | 2023'. The article includes a 'READ MORE' link and navigation arrows. Below the article, there is another search bar with the text 'Search term(s)' and an 'ADVANCED SEARCH' link. At the bottom, a section titled 'EXPLORE ASCE LIBRARY' contains five buttons: 'Journals >', 'Books >', 'Proceedings >', 'Standards >', and 'Magazines >'. The 'Standards >' button is highlighted with a green vertical bar. Below this section, the heading 'JOURNALS' is visible.

# 3. Search in ASCE

- 기본 검색

The screenshot shows the ASCE LIBRARY search results page for the keyword "bridge network". The page displays 13,431 results. The left sidebar contains filters for Article Type and Author. The main content area shows a list of publications, including "Time-Dependent Bridge Network Reliability: Novel Approach" and "Probability-Based Bridge Network Performance Evaluation".

**ASCE LIBRARY** Login / Register

JOURNALS BOOKS MAGAZINES AUTHOR CENTER USER SERVICES TOPICS SUBMIT SUBSCRIBE RECOMMEND

### Search Results

bridge network **13431** results for "bridge network" **ADVANCED SEARCH**

**상세 검색을 원할 경우 Advanced Search 클릭**

**검색 결과 수**

**검색한 Keyword**

**Article Type, 저자, 출판유형, 출판일, 토픽 별 필터링**

ARTICLE TYPE	Count
Technical Paper	8068
Chapters/Proceedings Papers	3861
Case Study	541
Front Matter	221
Technical Note	137
More (20)	

AUTHOR	Count
Frangopol, Dan M	81
Padgett, Jamie E	38
Zayed, Tarek	36
Sinha, Kumares C	33
More (20)	

1 - 20 of 13431 result for "bridge network"

Sort by: Relevance

**연관, 날짜순 정렬 가능**

**Publications** Site Information

Select all For selected items: Please Select

TECHNICAL PAPERS | Feb 1, 2005

**Time-Dependent Bridge Network Reliability: Novel Approach**

Ming Liu and Dan M. Frangopol

Journal of Structural Engineering Volume 131, Issue 2 (329 - 337)

Abstract ABSTRACT | FULL TEXT | PDF

TECHNICAL PAPERS | Sep 1, 2006

**Probability-Based Bridge Network Performance Evaluation**

Ming Liu and Dan M. Frangopol

Journal of Structural Engineering Volume 11, Issue 5 (633 - 641)

Abstract ABSTRACT | FULL TEXT | PDF

# 3. Search in ASCE

- 기본 검색

The screenshot shows the ASCE LIBRARY search page. The top navigation bar includes 'ASCE LIBRARY', 'Login / Register', and various menu items like 'JOURNALS', 'BOOKS', 'MAGAZINES', 'AUTHOR CENTER', 'USER SERVICES', 'TOPICS', 'SUBMIT', 'SUBSCRIBE', and 'RECOMMEND'. The main content area displays search results for 'bridge network' with 13,431 results. On the left, there are filters for 'ARTICLE TYPE' (Case Study, Front Matter, Technical Note, etc.) and 'AUTHOR' (Frangopol, Dan M., Padgett, Jamie E., etc.). The 'ADVANCED SEARCH' section is highlighted with a blue box and contains fields for search location, search term, publication date, and a 'SEARCH' button. A 'SAVED SEARCHES' button is also visible. Three callouts provide additional information: '검색 결과 내 재 검색 기능' (Search within search results), '검색 Keyword 저장하여 관련 된 새로운 Contents 알람' (Save search keywords to receive alerts for new related content), and 'Refine Search'.



# 3. Search in ASCE

- 상세 검색

The screenshot displays the ASCE Library website interface. At the top, the ASCE LIBRARY logo is on the left, and a search bar with 'Search term(s)' is on the right. Below the search bar are two buttons: 'ADVANCED SEARCH' (highlighted with a blue box) and 'CITATION SEARCH'. A white callout box with a blue border points to the 'ADVANCED SEARCH' button, containing the Korean text '상세 검색을 원할 경우 Advanced Search 클릭'. The main content area features a book cover for 'Seismic Evaluation and Retrofit of Existing Buildings' (Standard | 2023) with a 'READ MORE' link. Below the book cover is another search bar with 'Search term(s)' and an 'ADVANCED SEARCH' button. At the bottom, there is a section titled 'EXPLORE ASCE LIBRARY' with five categories: Journals, Books, Proceedings, Standards, and Magazines, each with a right-pointing arrow. Below this is a 'JOURNALS' section header.

# 3. Search in ASCE

- 상세 검색

The screenshot shows the ASCE LIBRARY Advanced Search interface. At the top, there is a search bar with the text "Search term(s)" and a magnifying glass icon, along with "Login / Register" and a shopping cart icon. Below the search bar is a navigation menu with links for JOURNALS, BOOKS, MAGAZINES, AUTHOR CENTER, USER SERVICES, and TOPICS. On the right side of the menu are links for SUBMIT, SUBSCRIBE, and RECOMMEND. The main heading is "Advanced Search".

Annotations on the screenshot include:

- A blue box around the "All Content" dropdown menu.
- A blue callout bubble pointing to the "Enter Search term" input field with the text "전체, 저자, Title 키워드 입력".
- A blue callout bubble pointing to the "Topic", "Published in", and "Publication Date" sections with the text "토픽, 출판사, 출판일 (전체, 최근 출판 기간, 기간 지정하여 검색 가능)".

On the right side of the search form, there is a "Search Tips" section with the following content:

### Search Tips

**Boolean searches**

You can use the Boolean Operators AND, OR, and NOT within search fields. By default, an AND relationship is assumed between search terms unless another operator is specified.

**Searching for authors**

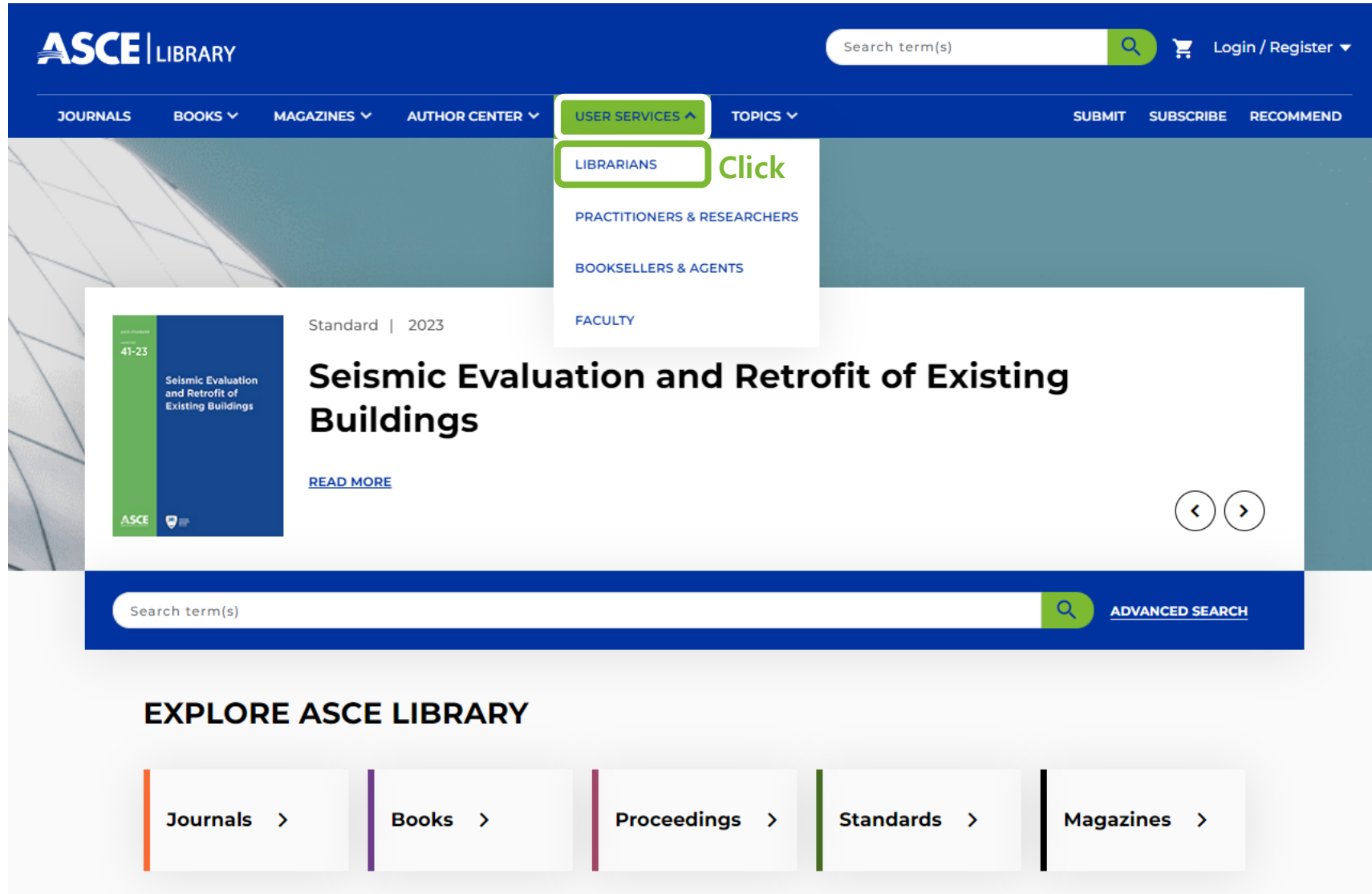
To search for multiple authors, separate each author name with either AND or OR. Using AND will search for content that has been co-authored by the authors. Using OR will search for content that has been authored by either of the authors.

**Searching for phrases**

Enclose your search term with quotation marks to search for an exact match of that phrase. Without quotation marks, articles including all of the search terms somewhere in the article will be listed. For example, searching for "civil war" will find articles containing that exact phrase.

# 4. User Service in ASCE

- User Service 보기



# 4. User Service in ASCE

- User Service 보기

The screenshot shows the ASCE Library website interface. The top navigation bar includes the ASCE LIBRARY logo, a search bar, and a user account dropdown labeled 'SHINWON Demo'. The main navigation menu contains 'JOURNALS', 'AUTHOR CENTER', 'USER SERVICES', and 'TOPICS'. The 'My Account' section is highlighted, showing a list of services and settings. Callouts provide detailed information about these services.

**내 정보**

- 신규 Content, Citation 알람 설정
- 저장된 검색 보기

**Tools** [재등록 없음]

- My Profile
- Content Alerts
- Saved Searches
- RSS Feeds

**Services**

- Rights Request
- Bibliographic Indexes

**Subscriptions**

**FAQs**

**My Profile 클릭 시**

- 계정 정보
- 기관 정보
- 구독 정보
- ASCE Library Card 정보
- 신규 Content, Citation 알람 설정
- 저장한 원문, 저널, ebook 보기
- 저장된 검색 보기

**My Account**

- Subscriptions / Purchases
- Redeem Token
- Alerts
- Favorites
- Saved Searches
- Institutional Affiliations
- Personal Settings**
- Billing Address

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The 34 ASCE journals that make up the All Journals subscription form the most complete picture available of the civil engineering field today.

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ASCE's online proceedings collection provides in-depth coverage of emerging technologies and practices presented at key conference around the world.

2024 Online Proceedings Pricing

### ASCE IP Block 관련 주의사항

불법 프로그램 사용, 이용자 계정 해킹 또는 과도한 원문 열람 및 다운로드 시 ASCE Server에서 해당 PC IP 대역을 24시간 동안 자동 차단합니다. ASCE에서는 해당 기관 담당자에게 위 사실을 E-mail로 통보하며 과다 다운로드에 대한 자세한 조사 내역과 과다 다운로드 예방을 위한 기관 내 사후조치를 명시한 사유서 등을 기관 담당자에게 요청할 수 있습니다.

ASCE 이용자 분들께서는 불법/대량 다운로드 프로그램/시스템 이용을 삼가 주시고 단 시간 내 과다한 ASCE Full Text 다운로드를 자제하여 주시기 바랍니다.

**감사합니다**

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