

ASCE (American Society of Civil Engineers) 매뉴얼

신원데이터넷

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

□ 출판사 소개

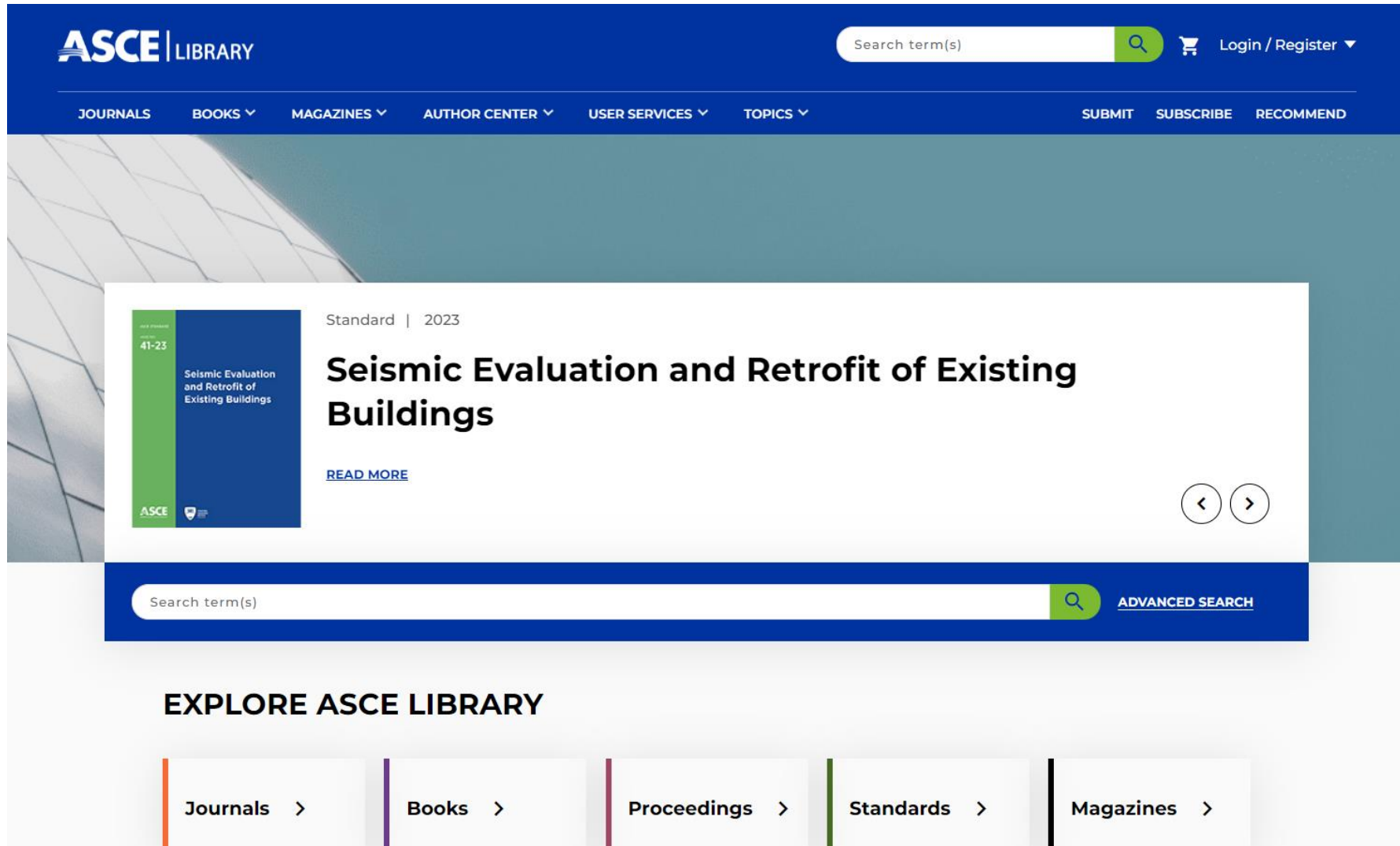
토목 및 환경공학 관련 학회인 American Society of Civil Engineers (ASCE)는 최신의 교량, 빌딩, 상 하수도 시스템에 관한 최신 기술자료 및 연구에 관한 정보를 제공하고 있습니다.

□ 수록내용

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

2. Browse Journal in ASCE

- ASCE 메인 페이지 – <https://ascelibrary.org/>로 접속



2. Browse Journal in ASCE

- ASCE 저널 보기

The screenshot shows the ASCE Library website interface. At the top, there is a navigation bar with the ASCE LIBRARY logo, a search bar, and links for Login/Register. Below the navigation bar, a yellow box highlights the 'JOURNALS' menu item, with a yellow arrow pointing to it and the text 'Click Browse Journals'. The main content area is titled 'Use filters to browse titles.' and shows a list of journals. On the left, there are two filter panels: 'TITLES' with a grid of letters (A-Z) and 'TOPICS' with a list of engineering topics and their counts. On the right, there are two journal entries: 'Journal of Aerospace Engineering' and 'Journal of Architectural Engineering'. Blue callout boxes with arrows point to the 'TITLES' filter, the 'TOPICS' filter, and the first journal entry. A blue callout box with an arrow points to the 'Journal of Aerospace Engineering' entry, indicating a link to the journal page.

ASCE LIBRARY Search term(s) Login / Register

JOURNALS BOOKS MAGAZINES AUTHOR CENTER USER SERVICES TOPICS SUBMIT SUBSCRIBE RECOMMEND

Click Browse Journals

Use filters to browse titles.

1 2 3

1 - 20 of 41 Journals

TITLES

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

TOPICS

Environment and Water Resources Engineering 7

Structural Engineering 5

Transportation and Urban Development Engineering 5

Construction Engineering

Geotechnical Engineering

Journal of Aerospace Engineering
Volume 37 | Issue 2 | Mar 1, 2024
Aim & Scope

Journal of Architectural Engineering
Volume 30 | Issue 1 | Mar 1, 2024
Aim & Scope

Journal of Environmental Engineering
Volume 37 | Issue 1 | Mar 1, 2024
Aim & Scope

Journal of Geotechnical Engineering
Volume 37 | Issue 1 | Mar 1, 2024
Aim & Scope

Journal of Infrastructure Engineering
Volume 37 | Issue 1 | Mar 1, 2024
Aim & Scope

Journal of Mechanical Engineering
Volume 37 | Issue 1 | Mar 1, 2024
Aim & Scope

Journal of Multidisciplinary Journal of Civil Engineering
Volume 37 | Issue 1 | Mar 1, 2024
Aim & Scope

저널 알파벳 별 필터링

해당 저널 페이지로 이동

저널 토픽 별 필터링

2. Browse Journal in ASCE

- ASCE Journal 보기

The screenshot shows the ASCE Library website interface for the Journal of Aerospace Engineering. The header includes the ASCE LIBRARY logo, a search bar, and navigation links for JOURNALS, BOOKS, MAGAZINES, AUTHOR CENTER, USER SERVICES, TOPICS, SUBMIT, SUBSCRIBE, and RECOMMEND. The main content area features a navigation bar with JOURNAL HOME, CURRENT ISSUE, ALL ISSUES, and ABOUT. Below this, there are tabs for MOST RECENT, MOST READ, and MOST CITED. The current issue is highlighted as 'Volume 37 | Issue 2 | March 2024'. A list of articles is displayed, including 'Improvement of Poststall Performance of NACA 0015 Airfoil Using Leading-Edge Synthetic Jet Array'. Annotations in Korean provide additional context: '최신 Issue' points to the current issue link, '전체 Issue : Volume별 선택 가능' points to the ALL ISSUES link, and 'Article 클릭 후 이동' points to the article title.

ASCE LIBRARY

Search Journal

Login / Register

JOURNALS BOOKS MAGAZINES AUTHOR CENTER USER SERVICES TOPICS SUBMIT SUBSCRIBE RECOMMEND

Journal of Aerospace Engineering

최신 Issue

JOURNAL HOME CURRENT ISSUE ALL ISSUES ABOUT

MOST RECENT MOST READ MOST CITED

Technical Papers | Dec 9, 2023

Improvement of Poststall Performance of NACA 0015 Airfoil Using Leading-Edge Synthetic Jet Array

Technical Papers | Dec 6, 2023

DDES Study on the Influence of a Whisker Trailing Edge on the Wake-Blade Interaction of a High-Pressure Turbine Stage

Technical Papers | Nov 30, 2023

Three-Dimensional Composite Approach Angle Constrained Guidance Law with Actuator Lag Consideration

Technical Papers | Nov 29, 2023

Hybrid Aerodynamic Optimization of a Propeller Based on the Reformulated Blade Element Momentum Theory

Aerospace Engineering

ASCE

Current Issue
Issue In Progress
Volume 37 | Issue 2 | March 2024

SUBSCRIBE SUBMIT AN ARTICLE

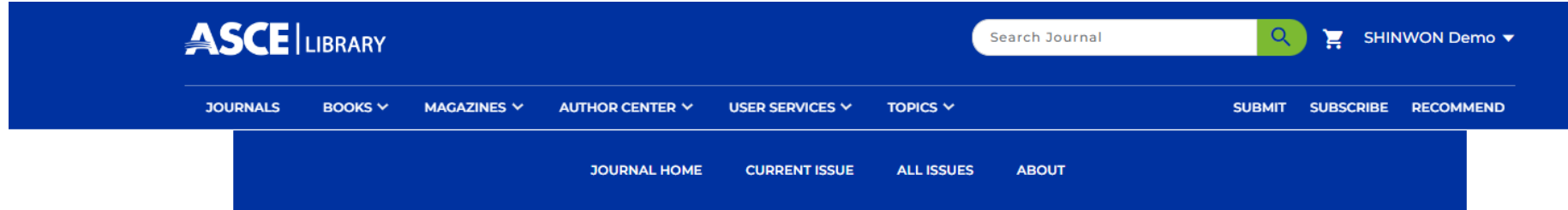
RECOMMEND TO A LIBRARIAN

전체 Issue : Volume별 선택 가능

Article 클릭 후 이동

2. Browse Journal in ASCE

- ASCE Journal - Article



Home / Journal of Aerospace Engineering / Archive / Vol. 37, No. 2

Technical Papers | Dec 9, 2023

Check for updates

Improvement of Poststall Performance of NACA 0015 Airfoil Using Leading-Edge Synthetic Jets

Authors: Lei Wang, Zhe Li, and...

Publication: Journal of Aerospace Engineering • Volume 37, Issue 2 • <https://doi.org/10.1061/JAEEFZ.ASENG-5243>

Citation 다운로드, My Favorite 저장 등 가능

원문 상세정보, 미디어 자료, 참고 문헌, 관련자료 제공

Journal of Aerospace Engineering

Volume 37, Issue 2
March 2024

- Abstract
- Introduction
- Experimental Setup and Method
- Results and Discussion
- Conclusions

Abstract

Wind tunnel experiments were conducted to explore the control effect of a synthetic jet actuator array placed at the leading edge of a National Advisory Committee for Aeronautics (NACA) 0015 airfoil at two Reynolds numbers of 1.1×10^5 and 1.6×10^5 . Synthetic jets were generated perpendicular to the leading edge with high-frequency excitation to imitate the biomimetic effect of leading-edge tubercles. Force measurements over the angle of attack α from 0° to 40° display similar aerodynamic characteristics between the present synthetic-jet-controlled airfoils and previous leading-edge tubercled ones in both the prestall and poststall regimes. Thus, virtual tubercles constructed by synthetic jets can be used to effectively improve poststall aerodynamic performance of airfoils. Flow field characteristics at $\alpha = 8^\circ, 16^\circ,$ and 32° were analyzed to reveal the control mechanism at different angles of attack. At $\alpha = 8^\circ$, synthetic jets ruin the flow field structure and reduce the lift coefficient.



다운로드

Email, SNS, linkedin 등 공유 가능

3. Browse Proceeding in ASCE

- ASCE Proceeding 보기

The screenshot shows the ASCE Library website interface. At the top, there is a navigation bar with 'ASCE LIBRARY' and a search bar. Below the navigation bar, there are several menu items: 'JOURNALS', 'BOOKS', 'MAGAZINES', 'AUTHOR CENTER', 'USER SERVICES', 'TOPICS', 'SUBMIT', 'SUBSCRIBE', and 'RECOMMEND'. A callout box points to the 'BOOKS' menu with the text 'Click 후 Proceedings 접속'. The main content area is titled 'Use filters to browse titles.' and shows a list of 857 proceedings. The first three items are: 'ICCREM 2023: The Human-Centered Construction Transformation', 'ASCE Inspire 2023: Infrastructure Innovation and Adaptation for a Sustainable and Resilient World', and 'CICTP 2023: Innovation-Empowered Technology for Sustainable, Intelligent, Decarbonized, and Connected Transportation'. On the left side, there are three filter panels: 'TITLES' (Alphabetical filter), 'PUBLICATION DATE' (Date range filter), and 'TOPICS' (Topic filter). Callouts provide instructions for each filter: 'Ebook 알파벳별 필터링' for the titles filter, '출판 연도별 필터링' for the publication date filter, and '토픽/시리즈별 필터링' for the topics filter. A callout at the top right says '최근 출판 순, 오래된 출판 순, 알파벳 순 정렬 가능' (Sorting by most recent, oldest, or alphabetical). Another callout at the bottom right says '해당 Proceeding 페이지로 이동' (Move to the corresponding proceeding page).

3. Browse Proceeding in ASCE

- ASCE Proceeding 보기

ASCE LIBRARY

JOURNALS BOOKS MAGAZINES AUTHOR CENTER USER SERVICES TOPICS SUBMIT SUBSCRIBE RECOMMEND

ICCREM 2023: The Human-Centered Construction Transformation

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

VIEW PDF

PDF 다운로드

원문 상세정보, 관련자료 제공

Abstract

Proceedings of the International Conference on Construction and Real Estate Management 2023, held in Xi'an, China, September 23–24, 2023. Sponsored by the Construction Industry High-Quality Development Institute of the China Construction Industry Association; *Journal of Engineering Management*; *Engineering, Construction and Architecture Management*; *Journal of Urban Management*; *Journal of Xi'an University of Architecture & Technology (Natural Science Edition)*; and the Construction Institute of ASCE.

This collection contains 121 peer-reviewed papers highlighting the role of people in construction.

Topics include: human-centered construction transformation; sustainable construction and green buildings; analysis of real estate and urban management; and intelligent construction and project management.

This proceedings creates a space for researchers, educators, and practitioners from colleges and universities, research institutes, government agencies, consulting firms, construction companies, financial institutions, and other related organizations to exchange ideas, share knowledge, build networks, and explore the potential future of the construction and real

ISBN (PDF): 9780784485217

Edited by:
Yaowu Wang
Feng Lan
Geoffrey Q. P. Shen

<https://doi.org/10.1061/9780784485217>

Conference Information
International Conference on Construction and Real Estate Management 2023
September 23–24, 2023 | Xi'an, China

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ASCE Book Series

4. Browse ebook in ASCE

- ASCE ebook 보기

The screenshot shows the ASCE Library 'Browse Books' page. The header includes the ASCE LIBRARY logo, a search bar with the text 'Click 후 Books 접속', and navigation links for JOURNALS, BOOKS, MAGAZINES, AUTHOR CENTER, USER SERVICES, and TOPICS. The main content area is titled 'Browse Books' and features a 'Use filters to browse titles.' section. On the left, there are three filter panels: 'TITLES' with a grid of letters A-Z, 'PUBLICATION DATE' with a range slider from 1985 to 2023, and 'TOPICS' with categories like 'Structural Engineering' and 'Environment and Water Resources'. The main list shows '1 - 20 of 466 Books' with a 'Sort by: Most recent' dropdown. Two book entries are visible: 'Designing to the Strongest Ground Motions' by Praveen K. Malhotra (2023) and 'Navigation Channel Sedimentation Solutions' by the Navigation Channel Sedimentation Task Committee (2023). Annotations in Korean provide instructions: 'ebook 알파벳별 필터링' points to the title filter; '출판연도/ 토픽 / 시리즈별 필터링' points to the date and topic filters; '해당 ebook 페이지로 이동' points to the book titles; and '최근 출판 순, 오래된 출판 순, 알파벳 순 정렬 가능' points to the sort dropdown.

4. Browse ebook in ASCE

- ASCE ebook 보기

ASCE LIBRARY

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

Authored by:
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<https://doi.org/10.1061/9780784485194>

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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

5. 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 callout box with a blue border contains the Korean text "검색하고자 하는 Keyword 입력 후" followed by a magnifying glass icon and the word "클릭". The main content area features 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 >". Below this is a section titled "JOURNALS".

5. 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. Callouts highlight several features: "상세 검색을 원할 경우 Advanced Search 클릭" (Click Advanced Search if you want detailed search), "검색 결과 수" (Search results count) pointing to "13431", "검색한 Keyword" (Searched keyword) pointing to "bridge network", "Article Type, 저자, 출판유형, 출판일, 토픽 별 필터링" (Filtering by Article Type, Author, Publication Type, Publication Date, Topic), and "연관, 날짜순 정렬 가능" (Related, Sortable by date).

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**

Sort by: Relevance

Save search | RSS

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 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 FULL TEXT PDF

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

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

5. Search in ASCE

- 기본 검색

The screenshot shows the ASCE LIBRARY search page. The top navigation bar includes the ASCE LIBRARY logo, a shopping cart icon, and a 'Login / Register' dropdown. Below this is a secondary navigation bar with categories: JOURNALS, BOOKS, MAGAZINES, AUTHOR CENTER, USER SERVICES, TOPICS, SUBMIT, SUBSCRIBE, and RECOMMEND.

The main content area is divided into two columns. The left column contains filters for 'ARTICLE TYPE' (Case Study: 3861, Front Matter: 541, Technical Note: 221, More (20)), 'AUTHOR' (Frangopol, Dan M: 81, Padgett, Jamie E: 38, Zayed, Tarek: 36, Sinha, Kumares C: 33, Labi, Samuel: 31, More (20)), and 'PUBLICATION' (Proceedings: 3647, Journal of Transportation Engineering, Part A: Systems: 2167). The right column shows search results for 'bridge network', displaying '1 - 20 of 13431 result'. A 'Refine Search' dropdown is visible above the results.

Three callouts highlight specific features:

- '검색 결과 내 재 검색 기능' (Search within search results) points to the 'Refine Search' dropdown.
- '검색 Keyword 저장하여 관련 된 새로운 Contents 알람' (Save search keywords to receive alerts for related new content) points to the 'SAVED SEARCHES' tab.
- A large blue rounded rectangle highlights the 'ADVANCED SEARCH' section, which includes search location (Anywhere), search term (bridge network), publication location (e.g. Journal of Theoretical Biology), and publication date filters (All Dates, Last, Custom Range).

5. 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 the text 'Search term(s)' is on the right. Below the search bar are two buttons: 'ADVANCED SEARCH' and 'CITATION SEARCH'. The 'ADVANCED SEARCH' button is highlighted with a blue box. A white callout bubble with a blue border points to this button, containing the Korean text '상세 검색을 원할 경우 Advanced Search 클릭'. The main navigation menu includes 'JOURNALS', 'BOOKS', 'MAGAZINES', 'AUTHOR CENTER', 'USER SERVICES', and 'TOPICS'. Below the navigation, a featured article titled 'Seismic Evaluation and Retrofit of Existing Buildings' is shown, with a 'READ MORE' link. At the bottom, there is a section titled 'EXPLORE ASCE LIBRARY' with buttons for 'Journals', 'Books', 'Proceedings', 'Standards', and 'Magazines'. A second search bar is located at the bottom of the page, with the text 'Search term(s)' and a magnifying glass icon, followed by the text 'ADVANCED SEARCH'.

5. 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 categories: 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 page, 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

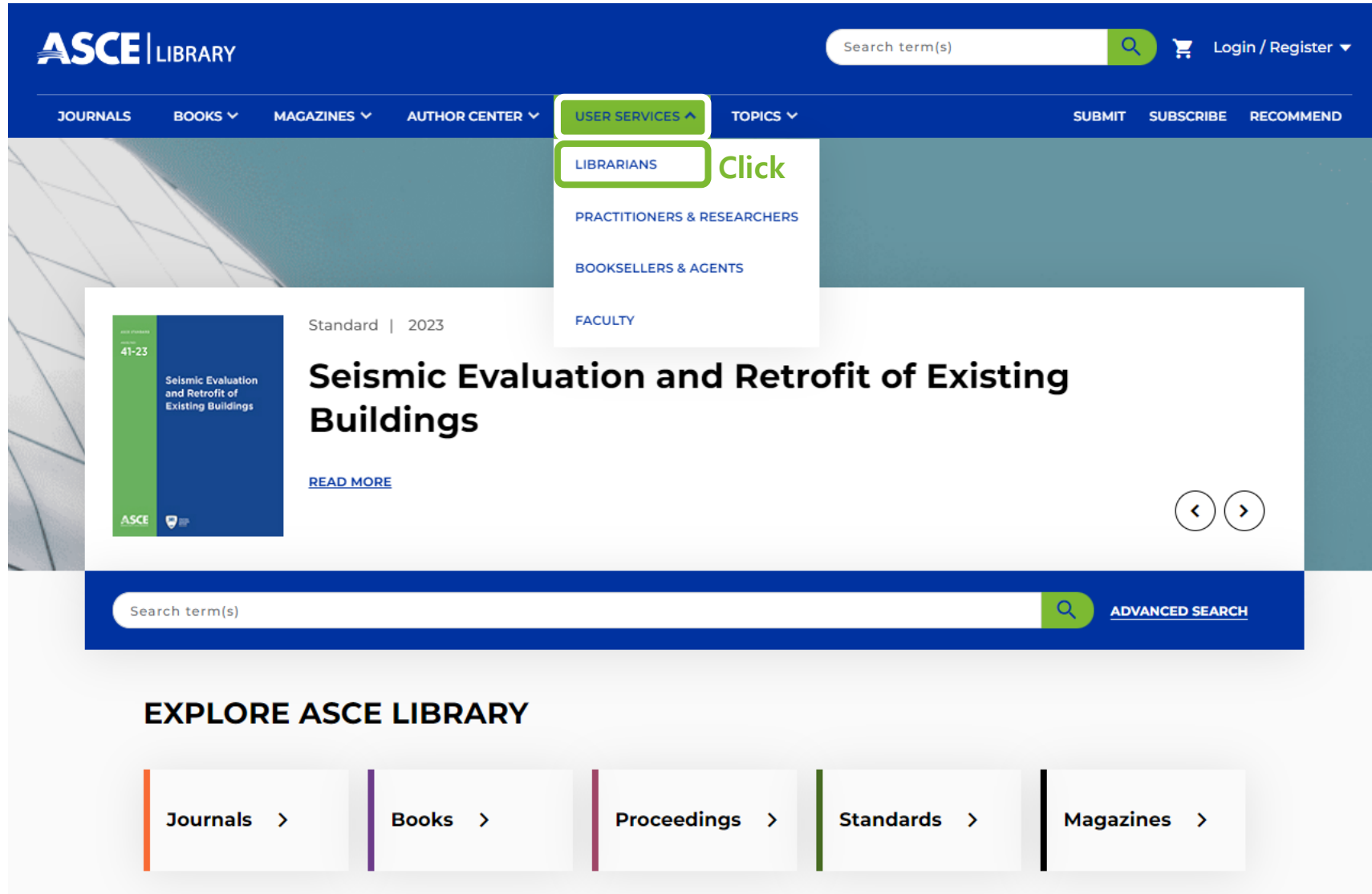
To search for multiple authors, separate each author name with either AND or OR. Using AND will search for content that has been co-authored by the authors. Using OR will search for content that has been authored by either of the authors.

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.

6. User Service in ASCE

- User Service 보기



6. User Service in ASCE

- User Service 보기

The screenshot shows the ASCE Library website interface. At the top, there is a search bar and a user account dropdown labeled 'SHINWON Demo'. The main navigation menu includes 'JOURNALS', 'AUTHOR CENTER', 'USER SERVICES', and 'TOPICS'. The 'My Account' section is highlighted, showing a list of options: Subscriptions / Purchases, Redeem Token, Alerts, Favorites, Saved Searches, Institutional Affiliations, Personal Settings, and Billing Address. A callout box on the left lists '내 정보', '신규 Content, Citation 알람 설정', and '저장된 검색 보기'. Another callout box in the center lists 'My Profile 클릭 시' followed by '계정 정보', '기관 정보', '구독 정보', 'ASCE Library Card 정보', '신규 Content, Citation 알람 설정', '저장한 원문, 저널, ebook 보기', and '저장된 검색 보기'. A third callout box points to the 'Tools' menu, which includes 'My Profile', 'Content Alerts', 'Saved Searches', and 'RSS Feeds'.

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

신원데이터넷

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