

ASME 이용 매뉴얼

AMERICAN
SOCIETY OF
MECHANICAL
ENGINEERS

신원데이터넷
info@shinwon.co.kr

1. 출판사 소개 및 수록내용
2. ASME 메인 화면
3. Browse by Journal/Proceedings/eBook
4. Search in ASME (일반 검색, 상세 검색)

□ 출판사 소개

기계공학 관련 출판사인 American Society of Mechanical Engineers(ASME)는,
Technical ,educational and research issue를 추구하는 세계적인 Engineering Society 입니다.

□ URL : <https://asmedigitalcollection.asme.org/>

□ 수록내용

Journals

- 주제분야 : 기계공학
- 제공연도 : 1960 ~ 현재
- 제공종수 : 33종 + AMR Journal(Applied Mechanics Reviews journal)

2. ASME 메인 화면

로그인

Sign In ▾

Search...

All Content ▾

Advanced Search

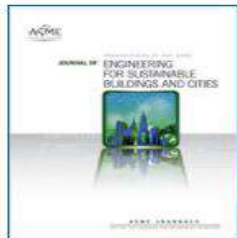
일반 검색 및 상세 검색

The ASME Digital Collection

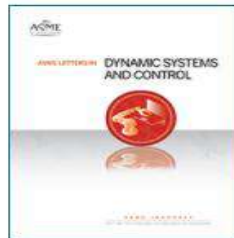
COVID-19 Resource Page

ASME's authoritative, online reference of current and archival literature. It provides unparalleled depth, breadth, and quality of peer-reviewed content including journals, conference proceedings and ASME Press books. [Read more...](#)

Featured Content



J. Eng. Sustain. Bldgs.



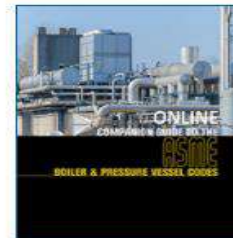
ASME Letters Dyn. Sys.



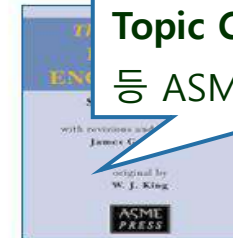
IMECE



IDETC/CIE



New Online Guide



New Edition

Featured Content

Newest Content

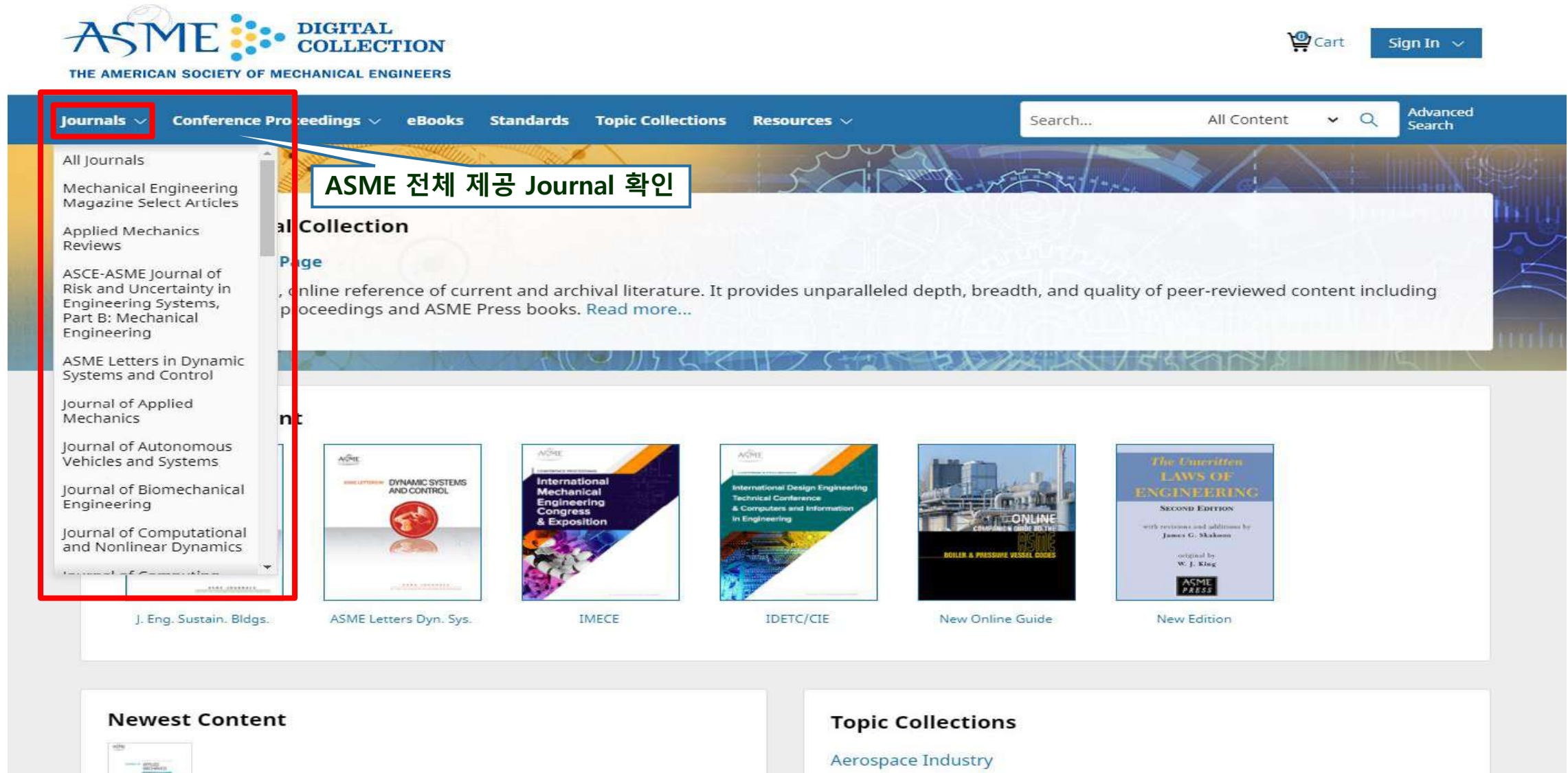
Topic Collections

등 ASME 정보 제공

Newest Content

Topic Collections

3. Browse by Journal in ASME



The screenshot shows the ASME Digital Collection website. The top navigation bar includes links for Journals, Conference Proceedings, eBooks, Standards, Topic Collections, and Resources. A search bar is located on the right. The Journals dropdown menu is open, listing various journals. A callout box points to the dropdown menu with the text "ASME 전체 제공 Journal 확인". Below the dropdown menu, there are several featured content items, including "J. Eng. Sustain. Bldgs.", "ASME Letters Dyn. Sys.", "IMECE", "IDETC/CIE", "New Online Guide", and "New Edition". The bottom section of the page is titled "Newest Content" and "Topic Collections".

ASME 전체 제공 Journal 확인

- All Journals
- Mechanical Engineering Magazine Select Articles
- Applied Mechanics Reviews
- ASCE-ASME Journal of Risk and Uncertainty in Engineering Systems, Part B: Mechanical Engineering
- ASME Letters in Dynamic Systems and Control
- Journal of Applied Mechanics
- Journal of Autonomous Vehicles and Systems
- Journal of Biomechanical Engineering
- Journal of Computational and Nonlinear Dynamics

Newest Content


Topic Collections

Aerospace Industry

3. Browse by Journal > 저널 선택 화면



ASME DIGITAL COLLECTION
THE AMERICAN SOCIETY OF MECHANICAL ENGINEERS




Cart

[Sign In](#)

Mechanical Engineering Magazine Select Articles

[Issues](#) [All Years](#) [Purchase](#) [About](#)

제공 콘텐츠 issue
정보 제공

Search... Mechanical Eng  [Advanced Search](#)



mechanical
engineering
magazine

Select
Articles

ASME
ESTABLISHED 1880

CURRENT ISSUE
January 2021, Volume 143, Issue 1
[View This Issue](#)

About the Journal
This site contains select articles published in Mechanical Engineering magazine from 1998-present. Mechanical Engineering magazine is the award-winning monthly flagship publication of ASME. The magazine delivers an interdisciplinary view into engineering trends and breakthroughs, giving readers a roadmap to better understand today's technology and tomorrow's innovations. [Read more...](#)

저널 내 검색

저널 소개

해당 저널에 수록된 원문 최신순, 열람순,
인용순 보기

Featured Article, Popular Article 제공

Latest

Most Read


Most Cited

Printing for Protection
Mechanical Engineering (January 2021)

Guarding the Gate
Mechanical Engineering (January 2021)

Taking the Measure of Electric Vehicles
Mechanical Engineering (January 2021)

Broad Gas Turbine CT Power Plant Growth



A forum for emerging systems and control technologies.
DYNAMIC SYSTEMS & CONTROL

3. Browse by Journal > 아티클 선택 화면

Mechanical Engineering Magazine Select Articles

Issues All Years Purchase About 

Search...

Mechanical Eng 

Advanced Search

Volume 143, Issue 1
January 2021



< Previous Article Next Article >

Article Contents

Abstract

Article

Abstract

Article

Range of Efficiency

Variations in Emissions

Congestion in Charging

RESEARCH-ARTICLE

Taking the Measure of Electric Vehicles

EVs Have Some Advantages, to be Sure. But they are Subject to the Efficiency Limits of Thermodynamics.

Efstathios E. Michaelides









+ Author and Article Information

Mechanical Engineering, Jan 2021, 143(1)

Paper No: ME-2021-JAN8 <https://doi.org/10.1115/1.5000000>

Published Online: January 1, 2021

화면 분할, 수치&표, PDF 보기
SNS&eMail 공유, 인용 정보, 저작권
정보 확인

 Split-Screen  Views  PDF  Share  Cite  Permissions

원문 목차

An engineer with more than 45 years of experience in internal combustion engines. He has been a leader in the technology they are positioned to replace. The technology is, however, contingent on where the technology is charged.

Issue Section: [Select Articles](#)

Topics: [Electric vehicles](#), [Vehicles](#), [Emissions](#), [Thermodynamics](#)

해당 저널 최신, 열람, 인용 순 원문
보기 및 해당 원문 관련 원문, 프로시딩,
챕터 제공

[View Metrics](#)

Get Email Alerts

Article Activity Alert

New Issue Alert

PDF 보기

Cited By

Google Scholar

CrossRef

PDF

Latest

Most Read

Most Cited


Guarding the Gate

Mechanical Engineering (January 2021)


Taking the Measure of Electric Vehicles

Mechanical Engineering (January 2021)

3. Browse by Proceedings in ASME



THE AMERICAN SOCIETY OF MECHANICAL ENGINEERS



Cart

Sign In

Journals

Conference Proceedings

Books

Standards

Topic Collections

Resources

Search...

All Content

Advanced Search

All Conference Proceedings

Browse by Series

Browse by Subject Category


Browse by Year

전체 프로시딩, 시리즈별, 주제분야별, 연도별 프로시딩 열람 가능

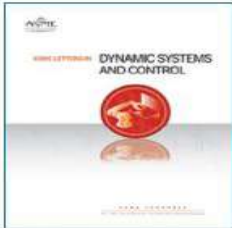
The A
COVID-19 Resource Page

ASME's authoritative, online reference of current and archival literature. It provides unparalleled depth, breadth, and quality of peer-reviewed content including journals, conference proceedings and ASME Press books. [Read more...](#)


Featured Content




J. Eng. Sustain. Bldgs.




ASME Letters Dyn. Sys.



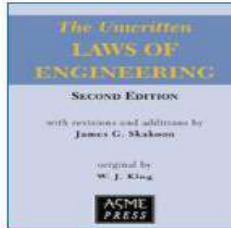
IMECE



IDETC/CIE




New Online Guide



New Edition

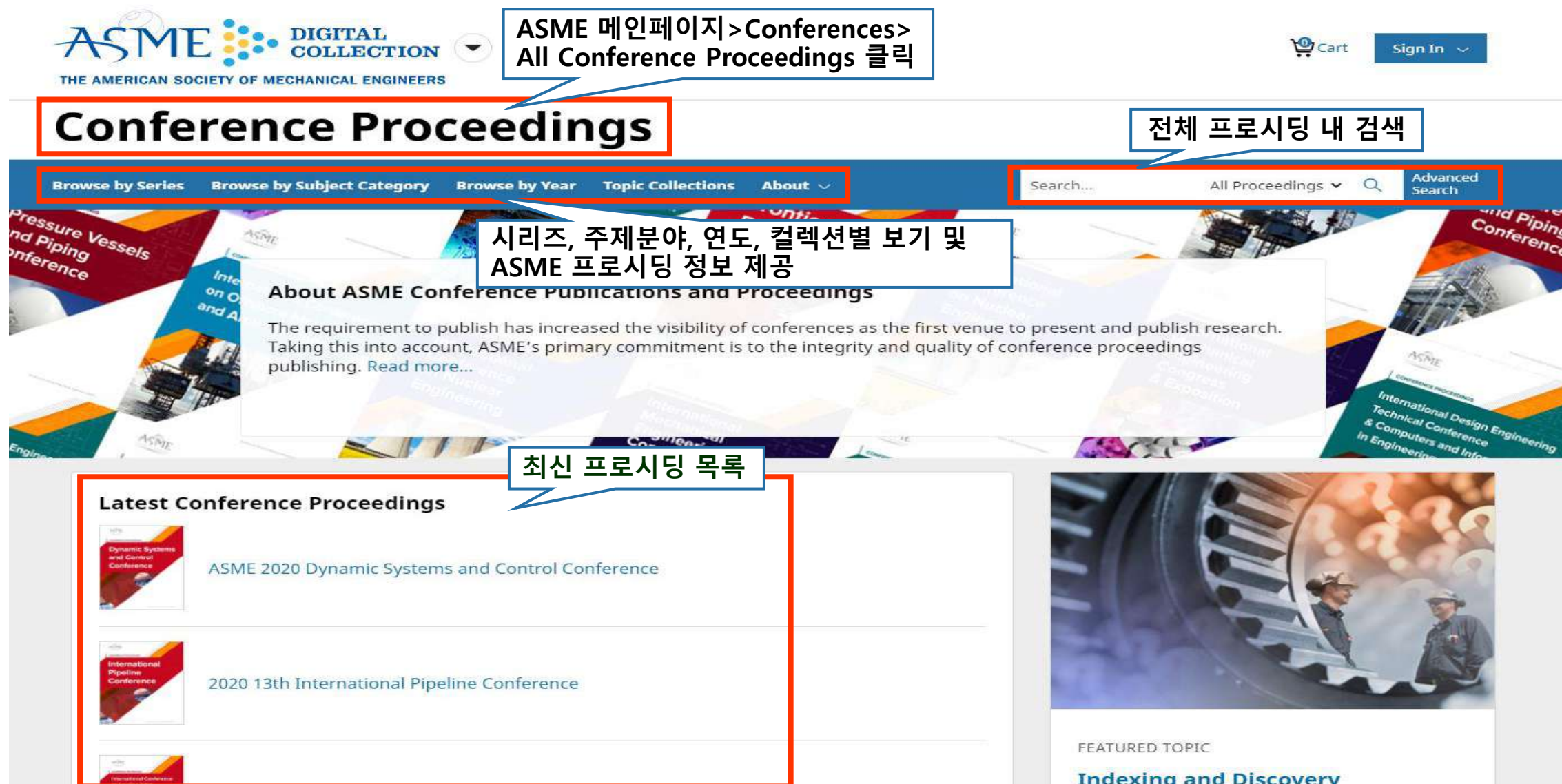
Newest Content



Topic Collections

Aerospace Industry

3. Browse by Proceedings in ASME



The screenshot displays the ASME Digital Collection website. At the top left is the ASME logo with the text 'THE AMERICAN SOCIETY OF MECHANICAL ENGINEERS'. To its right is the 'DIGITAL COLLECTION' header. A navigation menu includes 'Browse by Series', 'Browse by Subject Category', 'Browse by Year', 'Topic Collections', and 'About'. A search bar is located on the right with a dropdown menu set to 'All Proceedings'. Below the navigation bar, a large banner titled 'Conference Proceedings' features a collage of conference covers. A text box on the banner reads: 'About ASME Conference Publications and Proceedings. The requirement to publish has increased the visibility of conferences as the first venue to present and publish research. Taking this into account, ASME's primary commitment is to the integrity and quality of conference proceedings publishing. Read more...'. Below the banner, a section titled 'Latest Conference Proceedings' lists two items: 'ASME 2020 Dynamic Systems and Control Conference' and '2020 13th International Pipeline Conference'. To the right of this section is a 'FEATURED TOPIC' titled 'Indexing and Discovery' with an image of two workers in hard hats.

ASME 메인페이지 > Conferences > All Conference Proceedings 클릭

Conference Proceedings

전체 프로시딩 내 검색

시리즈, 주제분야, 연도, 컬렉션별 보기 및 ASME 프로시딩 정보 제공

최신 프로시딩 목록

Latest Conference Proceedings


ASME 2020 Dynamic Systems and Control Conference

2020 13th International Pipeline Conference


FEATURED TOPIC

Indexing and Discovery

3. Browse by Proceedings by category



THE AMERICAN SOCIETY OF MECHANICAL ENGINEERS



Sign In

Conference Proceedings

[Browse by Series](#)

[Browse by Subject Category](#)

[Browse by Year](#)

[Topic Collections](#)

[About](#)

[All Proceedings](#)

[Advanced Search](#)

Browse by Series

[ASME International Mechanical Engineering Congress and Exposition \(IMECE\)](#)
Series Home Latest Proceedings All Years

[ASME/JSME Thermal Engineering Joint Conference \(AJTEC\)](#)
Series Home Latest Proceedings All Years

[ANES/ASME Joint National Solar Energy Week \(ANES/ASME\)](#)
Series Home Latest Proceedings All Years

[ASME Asia Pacific Pipeline Conference \(APPC\)](#)
Series Home Latest Proceedings All Years

Browse By Year

Select Decade [1950](#) [1960](#) [1970](#) [1980](#) [1990](#) [2000](#) [2010](#) [2020](#)

Select Year [2020](#) [2021](#) [2022](#)

2022

- + 2022 Design of Medical Devices Conference (DMD2022)
- + ASME 2022 16th International Conference on Energy Sustainability collocated with the ASME 2022 Heat Transfer Summer Conference (ES2022)
- + ASME 2022 Fluids Engineering Division Summer Meeting (FEDSM2022)

Browse by Subject Category

- Multidisciplinary Engineering
- Biomedical and Biotechnology Engineering
- Design Engineering
- Manufacturing and Materials Engineering
- Microtechnology and Nanotechnology
- Nuclear Engineering
- Power and Energy
- Pressure Technology

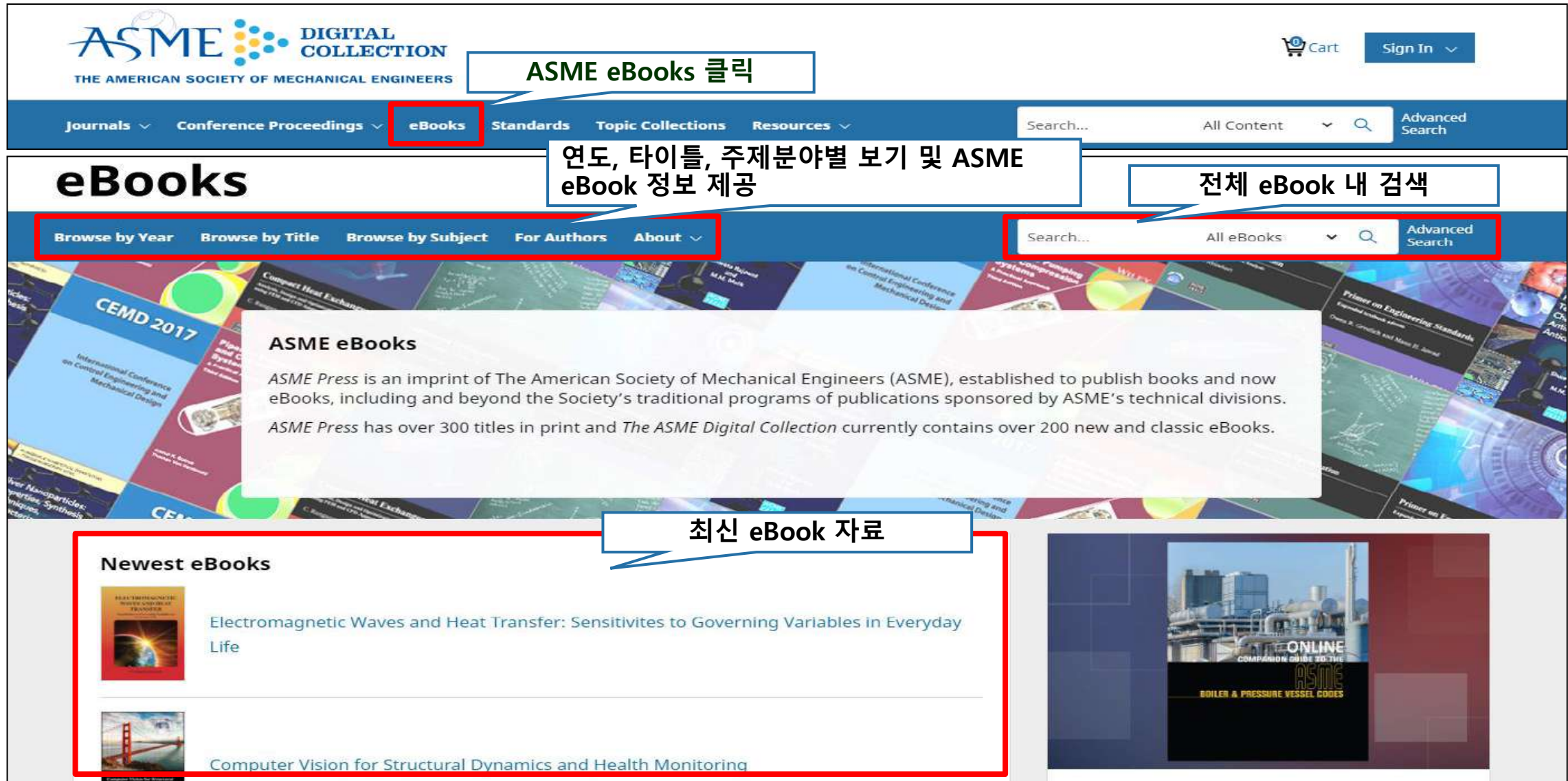
ASME Topic Collections

Topic Collections offer a quick and easy way to track up-to-the-minute content published by ASME on the topics that interest you.

- Aerospace Industry
- Applied Mechanics
- Automotive Systems
- Biomechanical Engineering
- Biomedical Engineering

시리즈, 주제분야, 연도, 컬렉션별 보기 및 ASME 프로시딩 정보 제공

3. 검색 방법-Browse by eBook in ASME



The screenshot shows the ASME Digital Collection website. The top navigation bar includes 'Journals', 'Conference Proceedings', 'eBooks' (highlighted with a red box and a callout 'ASME eBooks 클릭'), 'Standards', 'Topic Collections', and 'Resources'. A search bar is located on the right. Below the navigation bar, the 'eBooks' section is displayed with a sub-navigation bar containing 'Browse by Year', 'Browse by Title', 'Browse by Subject', 'For Authors', and 'About' (all highlighted with a red box and a callout '연도, 타이틀, 주제분야별 보기 및 ASME eBook 정보 제공'). To the right of this bar is another search bar with 'Search...', 'All eBooks', and 'Advanced Search' (highlighted with a red box and a callout '전체 eBook 내 검색'). The main content area features a large banner for 'ASME eBooks' with a description of ASME Press. Below this, the 'Newest eBooks' section is highlighted with a red box and a callout '최신 eBook 자료'. It lists two books: 'Electromagnetic Waves and Heat Transfer: Sensitivities to Governing Variables in Everyday Life' and 'Computer Vision for Structural Dynamics and Health Monitoring'. On the right side of the page, there is a large image of a book cover titled 'ONLINE COMPANION GUIDE TO THE ASME BOILER & PRESSURE VESSEL CODES'.

ASME DIGITAL COLLECTION
THE AMERICAN SOCIETY OF MECHANICAL ENGINEERS

ASME eBooks 클릭

Journals ▾ Conference Proceedings ▾ eBooks Standards Topic Collections Resources ▾

Search... All Content ▾ Advanced Search

eBooks

연도, 타이틀, 주제분야별 보기 및 ASME eBook 정보 제공

전체 eBook 내 검색

Browse by Year Browse by Title Browse by Subject For Authors About ▾

Search... All eBooks ▾ Advanced Search

ASME eBooks

ASME Press is an imprint of The American Society of Mechanical Engineers (ASME), established to publish books and now eBooks, including and beyond the Society's traditional programs of publications sponsored by ASME's technical divisions. ASME Press has over 300 titles in print and *The ASME Digital Collection* currently contains over 200 new and classic eBooks.

Newest eBooks

Electromagnetic Waves and Heat Transfer: Sensitivities to Governing Variables in Everyday Life

Computer Vision for Structural Dynamics and Health Monitoring

ONLINE COMPANION GUIDE TO THE ASME BOILER & PRESSURE VESSEL CODES

4. Search in ASME (일반 검색)

ASME DIGITAL COLLECTION
THE AMERICAN SOCIETY OF MECHANICAL ENGINEERS

Journals ▾ Conference Proceedings ▾ eBooks Standards Topic Collections Resources ▾

Search... All Content ▾ Search Advanced Search

검색어 입력 후, Search 클릭

검색 키워드 추가

Update Search
engineering
Filter ▾
Add term Update

1-20 of 510269 Search Results for **engineering**

검색 결과

검색 결과 관련도, 최신, 과거순 정렬

Sort by Relevancy ▾

Journal citation ▶

Format

- ☐ Journal (19)
- ☐ Journal Articles (109742)
- ☐ eBook (251)
- ☐ eBook Chapter (6713)
- ☐ Proceedings Papers (150670)

Show more

Subjects

- ☐ Design & Manufacturing (631)
- ☐ Emerging Technologies (3786)
- ☐ Energy and Power (766)

저널 정보, 포맷, 주제, 저널, eBook, 컨퍼런스 시리즈, 주제분야, 출판일 등으로 결과 필터

JOURNAL

Mechanical Engineering

Mechanical **Engineering** magazine is the award-winning monthly flagship publication of ASME. The magazine delivers an interdisciplinary view into **engineering** trends and breakthroughs, giving readers a roadmap to better understand today's technology and tomorrow's innovations.

JOURNAL

Journal of Biomechanical Engineering


Reports on research applications of mechanical **engineering** principles to the improvement of human health. Topics range from basic biology to biomedical and includes theoretical, computational, experimental, and clinical studies.

4. Search in ASME (상세검색)

Update Search

engineering

Filter

Title 

Author

Author Affiliations

Full Text

Abstract

Keyword

DOI

ISBN

ISBN-10 713)

ISSN

EISSN

Issue

Volume

References 31)

Paper No

☐ Emerging Technologies
(3786)

☐ Energy and Power
(766)

1-20 of 510269 Search Results for

engineering

Save Search

Sort by Relevancy 

Filter 클릭하여 타이틀, 저자, 키워드, ISBN 등 검색
결과 추가 필터링 가능



Mechanical **Engineering** magazine is the award-winning monthly flagship publication of ASME. The magazine delivers an interdisciplinary view into **engineering** trends and breakthroughs, giving readers a roadmap to better understand today's technology and tomorrow's innovations.

JOURNAL



Journal of Biomechanical **Engineering**

Reports on research applications of mechanical **engineering** principles to the improvement of human health. Topics range from basic biology to biomedical and includes theoretical, computational, experimental, and clinical studies.

JOURNAL



Journal of Fluids **Engineering**

<ASME IP Block 관련 주의 사항>

불법 프로그램 사용, 이용자 계정 해킹 또는 과도한 원문 열람 및 다운로드 시 ASME Server에서 해당 PC IP 대역을 자동 차단합니다.

ASME에서는 해당 기관 담당자에게 위 사실을 E- mail로 통보하며 차단된 IP 대역의 Access 복구를 위하여, 과다 다운로드에 대한 자세한 조사 내역과 과다 다운로드 예방을 위한 기관 내 사후조치를 명시한 사유서 등을 기관 담당자에게 요청할 수 있습니다.

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

감사합니다

신원데이터넷

<http://www.shinwon.co.kr>

TEL 02-326-3535

E-mail info@shinwon.co.kr