

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

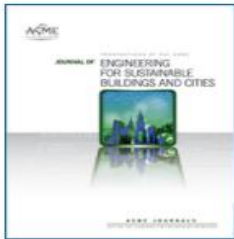
일반 검색 및 상세 검색

The ASME Digital Collection

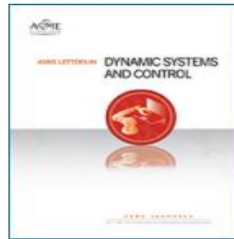
COVID-19 Resource Page

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.



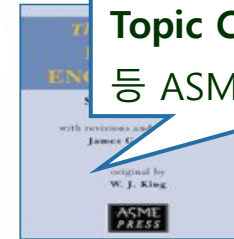
IMECE



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 interface. At the top left is the ASME logo with the text 'DIGITAL COLLECTION' and 'THE AMERICAN SOCIETY OF MECHANICAL ENGINEERS'. On the top right, there are links for 'Cart' and 'Sign In'. A navigation bar contains 'Journals', 'Conference Proceedings', 'eBooks', 'Standards', 'Topic Collections', and 'Resources'. A search bar is located on the right side of the navigation bar. A dropdown menu is open under 'Journals', listing various journals such as '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', and 'Journal of Computational and Nonlinear Dynamics'. A callout box with a blue border and white background points to the 'Journals' dropdown menu, containing the text 'ASME 전체 제공 Journal 확인'. Below the navigation bar, there is a large banner with the text 'ASME Digital Collection' and a description: 'ASME Digital Collection, an online reference of current and archival literature. It provides unparalleled depth, breadth, and quality of peer-reviewed content including proceedings and ASME Press books. Read more...'. Below the banner, there is a row of six journal covers: 'ASME Letters Dyn. Sys.', 'IMECE', 'IDETC/CIE', 'New Online Guide', and 'New Edition'. At the bottom of the page, there are sections for 'Newest Content' and 'Topic Collections' with a link to 'Aerospace Industry'.

3. Browse by Journal > 저널 선택 화면

ASME DIGITAL COLLECTION
THE AMERICAN SOCIETY OF MECHANICAL ENGINEERS

Issues All Years Purchase About

제공 콘텐츠 issue 정보 제공

저널 내 검색

Search... Mechanical Eng

Advanced Search

Sign In

Mechanical Engineering Magazine Select Articles

저널 소개

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...](#)

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

해당 저널에 수록된 원문 최신순, 열람순, 인용순 보기

Featured Article, Popular Article 제공

Latest	Most Read	Most Cited
Printing for Protection <i>Mechanical Engineering</i> (January 2021)		
Guarding the Gate <i>Mechanical Engineering</i> (January 2021)		
Taking the Measure of Electric Vehicles <i>Mechanical Engineering</i> (January 2021)		

Printed Car Fuels CT Power Plant Growth

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

Mechanical Engineering Magazine Select Articles

Issues All Years Purchase About

Search...

Mechanical Eng

Advanced Search

Volume 143, Issue 1
January 2021



ASME

< 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/10.1115/1.4038888>

Published Online: January 1, 2021

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

원문 목차

An engineer with more than 45 years of experience in internal combustion engines. He is currently working on the technology they are positioned to use in electric vehicles. His research is, however, contingent on where the technology is being 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

Help

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 screenshot displays the ASME Digital Collection website interface. At the top left is the ASME logo with the text 'DIGITAL COLLECTION' and 'THE AMERICAN SOCIETY OF MECHANICAL ENGINEERS'. On the right, there are links for 'Cart' and 'Sign In'. A navigation bar contains 'Journals', 'Conference Proceedings', 'eBooks', 'Standards', 'Topic Collections', and 'Resources'. The 'Conference Proceedings' menu is expanded, showing options: 'All Conference Proceedings', 'Browse by Series', 'Browse by Subject Category', and 'Browse by Year'. A callout box with a blue border and white background points to this menu, containing the Korean text: '전체 프로시딩, 시리즈별, 주제분야별, 연도별 프로시딩 열람 가능'. Below the navigation bar is a search bar with 'Search...', 'All Content', and 'Advanced Search' options. A large white banner below the navigation bar contains the text: '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...'. Below the banner is a 'Featured Content' section with six items: 'J. Eng. Sustain. Bldgs.', 'ASME Letters Dyn. Sys.', 'IMECE', 'IDETC/CIE', 'New Online Guide', and 'New Edition'. At the bottom, there are sections for 'Newest Content' and 'Topic Collections' (with 'Aerospace Industry' listed).

3. Browse by Proceedings in ASME



ASME 메인페이지 > Conferences > All Conference Proceedings 클릭

Cart Sign In

Conference Proceedings

전체 프로시딩 내 검색

Browse by Series Browse by Subject Category Browse by Year Topic Collections About

Search... All Proceedings Advanced Search

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

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...](#)

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



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

Conference Proceedings

Browse by Series | Browse by Subject Category | Browse by Year | Topic Collections | About

Search... 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

3. 검색 방법-Browse by eBook in ASME

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

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

전체 eBook 내 검색

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.

최신 eBook 자료

Newest eBooks

- Electromagnetic Waves and Heat Transfer: Sensitivity to Governing Variables in Everyday Life
- Computer Vision for Structural Dynamics and Health Monitoring

4. Search in ASME (일반 검색)



검색어 입력 후, Search 클릭

Journals ▾ Conference Proceedings ▾ eBooks Standards Topic Collections Resources ▾ Search... All Content ▾ 🔍 Advanced Search

검색 키워드 추가

검색 결과

검색 결과 관련도, 최신, 과거순 정렬

Update Search
engineering
Filter ▾
Add term **Update**

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)

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


Sort by Relevancy ▾

Save search

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.

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

4. Search in ASME (상세검색)

Update Search

engineering

Filter

- Title
- Author
- Author Affiliations
- Full Text
- Abstract
- Keyword
- DOI
- ISBN
- ISBN-10 (713)
- ISSN (ers)
- 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