



The ASME Digital Collection

EXCELLENCE IN ENGINEERING



ASME 學會簡介(一)

- 美國機械工程師學會(American Society of Mechanical Engineers，簡稱ASME)
- 歷史：
 - 學會成立於1880年
- 學會組織現況：
 - ASME 目前在全球擁有來自 135+ 個國家
超過 85,000 位會員

ASME 學會簡介 (二)

- ASME 是世界上最大的技術出版機構之一；每年召開約 30 次大型技術研討會議並舉辦約 200 個專業發展課程。
- ASME 的技術：ASME 制定眾多工業和製造業的**行業標準**(Standards)。他們擁有工業和製造業領域 600 項的標準和編碼，這些標準在全球 90 多個國家被採用

研究領域

- Advanced Manufacturing 先進製造
- Pressure Technology 壓力技術
- Clean Energy 潔淨能源
- Robotics 機器人技術
- Bioengineering 生物工程
-

ASME Digital Collection

- ASME 出版品的線上使用平台
- 出版品包含期刊、會議錄、電子書、標準資料庫

ASME Journals

- 包含33本電子期刊
- 超過3萬篇全文

Ex: *Applied Mechanics Reviews* (IF14.3)



【現刊專輯】使用年份2000年-present

【過刊專輯】回溯至1960年，依各刊而異

*ASME持續將過刊內容數位化

ASME Open Journal of Engineering (January 2022)

- 跨學科領域
- 經過同行評審(peer review)
- Fully Open Access



CURRENT VOLUME

2022, Volume 1

[View This Volume](#)

VOLUMES IN PROGRESS

Volume 2, 2023

ASME Conference Proceedings

- 每年贊助超過30場會議，
新增100卷會議論文。



【現刊專輯】2008年至今

【過刊專輯】2002-2007年

ASME Conference Video Collection

- 會議錄影音檔案
- 收錄8,000+篇技術論文影音檔
- Add-on subscription

<https://www.morressier.com/cl/library/ASME>

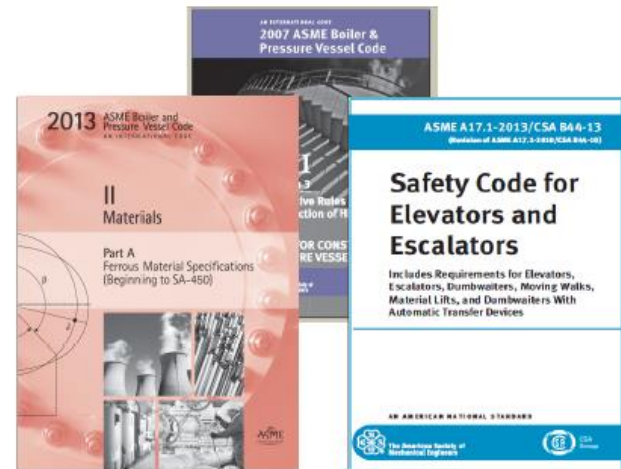
ASME ebooks

- 出版超過 280本
- Add-on subscription
- 每年約新增出版 15-20 本書籍
 - 教科書：涵蓋機械工程的基礎課程和專業課程，適用於學生和工程師的學習和研究。
 - 專業書籍：涵蓋機械工程的各個領域的最新研究成果，適用於工程師和科學家的學習和工作。
 - 參考書籍：涵蓋機械工程的各個領域的標準、規範和指南，適用於工程師和科學家的日常工作。

Standard Collection

涵蓋領域

- Boiler pressure vessels
- Plumbing accessories
- Elevatorse
- Pipes and systems
- Components of power plants



超過766項標準， add-on subscription

<https://asmestandardscollection.org/Login.aspx>

ASME Digital Collection 連線

讀者登入

館藏資源

1 電子資源

博碩士論文

讀者服務

館際借閱

關於本館

網站導覽

學校首頁

English

資料庫主題瀏覽

首頁 / 電子資源 / 電子資源 - 科學工程

學習工具

綜合學科

2 科學工程

商學管理

社會科學

藝術與人文

◎ 中文資料庫總覽

◎ 西文資料庫總覽

● 資料庫教育訓練影片

- 限本校教職員、學生使用
- 如需在校外使用，請先做 校外連線設定 SSL VPN
- 如本校兼任教師有使用需求，請先至電算中心申請 教職員E-mail帳號
- 如有其他問題，請洽參考諮詢服務櫃台 蕭小姐 分機2223

科學工程(西文)

科學工程(中文)

3

標題

簡單介紹

ASME

▶ 簡介

ABC Chemistry

▶ 簡介

ACM Digital Library

▶ 簡介

ACS

▶ 簡介

Acta Physica Polonica A

▶ 簡介

Acta Physica Polonica B

▶ 簡介

Advances in Electrical and Computer Engineering

▶ 簡介

AgEcon Search

▶ 簡介

快速搜尋：進階檢索

Sign In

Journals | Conference Proceedings | eBooks | Standards | Topic Collections | Resources

Search... All Content | Advanced Search

The ASME Digital Collection

ASME's authoritative, online reference content including journals, conference proceedings, eBooks, and standards.

依照出版品類型瀏覽：期刊/會議錄/電子書

Reviewed content including

Climate Change Virtual Issue Resources

特色內容

Featured Content



瀏覽功能介紹

依照期刊刊名進行瀏覽

Journal of Manufacturing Science and Engineering

Issues Accepted Manuscripts All Years Purchase Submit About

Search...

J. Manuf. Sci. Eng



Advanced Search



CURRENT ISSUE

October 2023, Volume 145, Issue 12

[View This Issue](#)

ISSUES IN PROGRESS

Volume 146, Issue 1, January 2024

Volume 145, Issue 12, December 2023

Volume 145, Issue 11, November 2023

期刊內容
功能導覽

About the Journal

The *Journal of Manufacturing Science and Engineering* disseminates original, theoretical, and applied research results of permanent interest in all branches of manufacturing including emerging areas. Research Papers are peer-reviewed full-length articles of considerable depth. [Read more...](#)

SPECIAL ISSUE:

Special Issue: Manufacturing Science Engineering Conference 2022

Albert Shih,
University of Michigan at
Ann Arbor
[View Full Editorial Board](#)

Impact Factor

4

最新出版文章/ Most Read/ Most Cited

Latest

Most Read

Most Cited

2023 Manufacturing Science and Engineering Conference
J. Manuf. Sci. Eng

Accepted Manuscripts

A Spatio-Temporal Prediction and Planning Framework for Proactive Human-Robot Collaboration



Journal of Manufacturing Science and Engineering

Issues Accepted Manuscripts **All Years** Purchase Submit About

Search...

J. Manuf. Sci. Eng



Advanced Search

瀏覽所有
年代/卷期

搜尋本刊內容

J. Manuf. Sci. Eng. | All Years

1959	1976	1993	2010
1960	1977	1994	2011
1961	1978	1995	2012
1962	1979	1996	2013
1963	1980	1997	2014
1964	1981	1998	2015
1965	1982	1999	2016
1966	1983	2000	2017
1967	1984	2001	2018
1968	1985	2002	2019
1969	1986	2003	2020
1970	1987	2004	2021
1971	1988	2005	2022
1972	1989	2006	2023
1973	1990	2007	2024
1974	1991	2008	
1975	1992	2009	

Journal of Manufacturing Science and Engineering

Issues Accepted Manuscripts All Years Purchase Submit About

Search...

J. Manuf. Sci. Er

Advanced Search

當期內容

Issues

Decade

2020

Select Year

2023

Issue

October - Volume 145, Issue 10

Volume 145, Issue 10

October 2023



< Previous Issue Next Issue >

Special Issue: State-of-the-Art in European Manufacturing Research

GUEST EDITORIAL

Special Issue: State-of-the-Art in European Manufacturing Research

Vincent Wagner, Albert Shih

J. Manuf. Sci. Eng. October 2023, 145(10): 100301. doi: <https://doi.org/10.1115/1.4063092>

Extract View article PDF

Topics: Manufacturing

REVIEW ARTICLE

Brief History of the Progress of Laser Powder Bed Fusion of Metals in Europe

Email Alerts

Accepted Manuscript Alert

New Issue Alert

RSS Feeds

[Open Issues RSS Feed](#)

Latest

Most Read

Most Cited

檢索功能介紹

檢索功能介紹

頁面右上方隨時保持快速搜尋框及進階檢索入口

直接輸入關鍵字檢索

進階檢索頁面

進階檢索頁面

Update Search

Filter ▾

Add term **Update**

Journal citation ▶

Format

Journal (36)

Journal Articles (134113)

eBook (286)

eBook Chapter (8705)

Proceedings Papers (178148)

[Show more](#)

Subjects

Design & Manufacturing (920)

Emerging Technologies (4509)


Energy and Power (1114)

Engineering

1-20 of 1008393


Save search Sort by Relevancy ▾

JOURNAL




Mechanical Engineering

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




ASME Journal of Engineering for Sustainable Buildings and Construction

This journal publishes high-quality research on integrated and sustainable building systems (ISBES) for individual buildings as well as urban centers.



Journal of Mechanical Design

Serves the broad design community as the venue for original and scholarly architectural and engineering aspects of the design activity, with emphasis on design synthesis.



Journal of Engineering and Science in Medical Diagnostics and Therapeutics

The journal is a forum for the international community with a shared vision to use engineering and scientific disciplines to create better biomedical innovations and solutions.

結果排序

平台提供篩選條件：

1. 增加搜尋關鍵字
2. 限縮期刊書目資訊
3. 出版品類型
4. 主題
5. 期刊刊名
6. 電子書系列
7. 文章類型
8. 會議論文
9. 出版品年代
10. 訂閱權限

....等

結果排序

平台提供篩選條件：

1. 增加搜尋關鍵字
 2. 限縮期刊書目資訊
 3. 出版品類型
 4. 主題
 5. 期刊刊名
 6. 電子書系列
 7. 文章類型
 8. 會議論文
 9. 出版品年代
 10. 訂閱權限
-等

檢索範例 & 檢索結果頁面

Update Search

robotics

Filter ▾

Add term

Update

Journal citation ▶

Format

Journal
(1)

Journal Articles
(10071)

eBook
(117)

Show more ▶

Subjects

Design & Manufacturing
(171)

Emerging Technologies
(359)

Energy and Power
(64)

Engineering

1-20 of 49845 Search Results for
robotics

關鍵字符符合結果筆數

Save search

Sort by Relevancy ▾

JOURNAL



Journal of Mechanisms and **Robotics**

Publishes research contributions to the fundamental theory, algorithms and applications for **robotic** and machine systems.

JOURNAL ARTICLES

Scientific Fundamentals of **Robotics** 3: Kinematics and Trajectory Synthesis of Manipulation **Robots** and Scientific Fundamentals of **Robotics** 4: Real-Time Dynamics of Manipulation **Robots** and Scientific Fundamentals of **Robotics** 6: Applied Dynamics and CAD of Manipulation **Robots** [🔗](#)

M. Vukobratovic, Author, M. Kircanski, Author, N. Kircanski, Author, V. Potkonjak, Author, Bernard Roth, Reviewer

Journal: Journal of Mechanical Design

Article Type: Book Reviews

J. Mech. Des. September 1986, 108(3): 283–284.

<https://doi.org/10.1115/1.3258726>

Published Online: September 1, 1986

...M. Vukobratovic, Author; M. Kircanski, Author; N. Kircanski, Author; V. Potkonjak, Author; Bernard Roth, Reviewer
Journal of Mechanisms, Transmissions, and Automation and Trajectory Synthesis of Manipulation **Robots** by M. Vukobratovic, M. Kircanski, N. Kircanski, V. Potkonjak, Bernard Roth

[View Article](#)

[PDF](#)

Topics: Computer-aided design, Dynamics (Mechanics), Kinematics, **Robotics**, Robots, Trajectories (Physics)

PROCEEDINGS PAPERS

符合文章的書目資訊

View Article: 查看詳細頁

PDF: 可取得全文

可使用左框篩選條件
進一步限縮搜尋結果


Volume 108, Issue 3
September 1986

This article was originally published in Journal of Mechanisms, Transmissions, and Automation in Design



Next Article >

BOOK REVIEWS

Scientific Fundamentals of Robotics 3: Kinematics and Trajectory Synthesis of Manipulation Robots and Scientific Fundamentals of Robotics 4: Real-Time Dynamics of Manipulation Robots and Scientific Fundamentals of Robotics 6: Applied Dynamics and CAD of Manipulation Robots 

M. Vukobratovic, Author, M. Kircanski, Author, N. Kircanski, Author, V. Potkonjak, Author, Bernard Roth, Reviewer

 Check for updates

+ Author and Article Information

J. Mech., Trans., and Automation. Sep 1986, 108(3): 283-284 (2 pages)
<https://doi.org/10.1115/1.3258726>

Published Online: September 1, 1986 [Article history](#)

Issue Section: [Book Reviews](#)

Topics: [Computer-aided design](#), [Dynamics \(Mechanics\)](#), [Kinematics](#), [Robotics](#), [Robots](#), [Trajectories \(Physics\)](#)


This content is only available via PDF.

 PDF

Copyright © 1986 by ASME



View Metrics

 Get Email Alerts

Article Activity Alert

Accepted Manuscript Alert

New Issue Alert

Cited By

[Google Scholar](#)

Latest Most Read Most Cited

Fifty-Five Prompt Questions for Identifying Social Impacts of Engineered Products

J. Mech. Des

Toward an Online Monitoring of Structural Performance Based on

PDF

Help

也提供相關文章延伸閱讀: Articles / Proceedings Papers / Related Chapters

文章閱讀/輔助工具

Split-Screen PDF Share Cite Permissions Search Site

Search...

J. Mech. Des.

September 1986

This article was originally published in Journal of Mechanisms, Transmissions, and Automation in Design



Book Reviews

A multi-fidelity integration method for reliability analysis of industrial robots

J. Mech. Des.

Design Confidentiality for the

個人化功能

- 使用者可於機構授權IP內申請個人帳號，個人帳號可使用Saved Search等個人化服務。

[My Subscriptions & Downloads](#)

[My Tokens](#)

[My Alerts](#)

[Saved Searches](#)

[Account Info](#)

[Sign Out](#)

Thank you

如您有任何問題，歡迎隨時和我們聯絡

iGroupp Taiwan 智泉國際事業有限公司

(02)2571-3369

service@igrouptaiwan.com