

The logo for iGroup, featuring the word "iGroup" in a bold, black, sans-serif font. The letter "i" is lowercase and has a small yellow square above it. The background of the slide is a photograph of a library with tall wooden bookshelves filled with books, viewed from a low angle looking up. A semi-transparent white horizontal band is overlaid on the image, and a large yellow curved shape is at the bottom.

iGroup

ASME（美国机械工程师学会）数据库 使用指南

提纲 CONTENTS



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ASME 出版社介绍

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ASME 学会简介

美国机械工程师学会 (American Society of Mechanical Engineers) 成立于1880年。现已成为一家拥有全球130,000名会员的国际性非赢利**教育**和**技术**组织，也是世界上最大的技术出版机构之一。



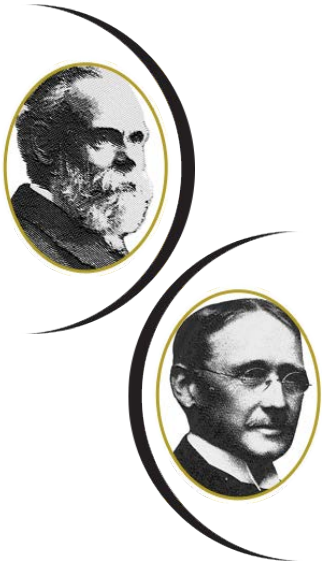
ASME 宗旨



通过制定专业规范、组织研发活动、联系政府机构、召开会议、出版书刊以及持续的教育训练，来促进全球跨学科工程学的技术水平、学科研究和行业运作。

基本信息	研究活动
成立年份：1880 年	下属研究所：国际燃气涡轮研究所、国际石油技术研究所
会员人数：130,000+	学术会议：约40场/年
遍布国家：150	参会者国家：90
	专业发展课程：200次/年
	规范和标准：600+

ASME 历任学会主席



主席	专利/发明
第 1 任 Robert H. Thurston	钢铁性能测试三坐标立体图表
第25任 Frederick W. Taylor	科学管理法之父
第29任 George Westinghouse	火车空气制动闸
第48任 Elmer Sperry	陀螺稳定器（用于美国海军）

第131任 Marc Goldsmith (2013年)
核能行业顾问、IEEE 高级会员、无国界工程师协会国家指导委员
第134任 J. Robert Sims, Jr (2015年)
贝赫特工程公司故障分析顾问、在埃克森美孚国际公司任职超过30年
第135任 Dr. Julio Guerrero
美国德雷伯实验室能源部首席研发长官

快来ASME数据库检索他们的姓名，查看他们发表的文章！



ASME 出版物



ASME eBooks

ASME Journals

ASME Proceedings

ASME Standards & Codes

电子书

期 刊

会议录

标 准



NEW

ASME 出版物



期刊
会议录
电子图书
规范和标准
杂志

} ASME Digital Collection 平台
----ASME Standards Collection 平台
----print only



THE AMERICAN SOCIETY OF MECHANICAL ENGINEERS

THE AMERICAN SOCIETY OF MECHANICAL ENGINEERS



期刊

[Browse Journals](#) ▾ [Submit a Paper](#) [Information for Authors](#) [Purchase](#) [About](#) ▾



机械工程及其相关学科的权威期刊、涉及工业制造、材料加工、能源、自动化等应用领域

期刊种数：**33种**

最新创刊：《**自动驾驶车辆和系统期刊**》

SCI 收录：**25 种**

《**ASME 可持续建筑与城市工程杂志**》

更新频率：**每年200多期**

《**ASME 医学诊疗中的工程和科学期刊**》

收录年限：**1959 年至今**

最高影响因子：**6.733** 《**应用力学评论**》

(**现刊起始于2000年**)

最高引用次数：**14,900+** 《**应用力学期刊**》

13,800+ 《**传热期刊**》

期刊

- 33种期刊，7种属于SCI一区和二区（Q1、Q2）
- 2015至2018年，先后有10种期刊提高了出版频率
- 每篇文章都经过严格的评审流程
- 影响因子：根据近五年的JCR《期刊引用报告》，ASME期刊影响因子持续上涨，五年刊均影响因子约2.3
- 2020年发布的最新JCR公布，8种期刊影响因子涨幅超过20%。

工程类期刊影响因子的特点

- 研究-实践-发文周期较长
- 发文研究人员数量：较其他热门学科少
- 研究人员和从业者阅读习惯：“只参考、不引用”

期刊

□ 涵盖话题

1. 基础工程

能量转换、能源、环境、运输、一般工程学、材料和结构

2. 制造工程

材料储运、设备工程和维护、加工产业、制造工程、纺织工程

3. 系统&设计

计算机在工程中的应用、信息存储和处理系统、设计工程、动力系统和控制、电气和电子封装、机电一体化、流体动力系统

经典期刊

□ 《传热期刊》 Journal of Heat Transfer

在 SCI 收录的 100 多本机械工程类期刊中，总引用量排名前十五，应用于能源、燃气涡轮、电子设备、航空航天等领域与另一种 ASME 期刊《热能科学和工程应用期刊》形成互补



检索关键词：

biological heat (生物热)、radioactive heat transfer (辐射传热)、mass transfer (质量传递)、热传导 (heat conduction)、electronic and photonic cooling (光子冷却)、forced convection (强制对流)、exchanger (热交换器)、wake cooling (尾迹冷却)、jets cooling (喷射冷却)、impingement cooling (冲击冷却)、porous media (多孔介质)、thermal systems (热力系统)、two-phase flow and heat transfer (两相流动和热传递)

<http://heattransfer.asmedigitalcollection.asme.org>

经典期刊

□ 《传热期刊》 Journal of Heat Transfer

国内外研究人员单位：

麻省理工学院

斯坦福大学

普渡大学

明尼苏达大学

德克萨斯A&M大学

加州大学

密苏里大学

哈尔滨工业大学

西安交通大学

大连海事大学

兰州交通大学



经典期刊

□ 《应用力学评论》 Applied Mechanics Reviews

在 SCI收录的 130多种力学类期刊中、影响因子排名第四。

高品质的评论期刊、汇集了应用力学和工程学所有分支学科的资料。

包括高级研究人员撰写的技术进展、教学进展、回顾、调查、评论及世界主要期刊文献的摘要。

检索关键词：

fluid mechanics (流体力学)、 solid mechanics (固体力学)、 heat transfer (传热)、 dynamics (动力学)、 vibration (震动)、 education (教学培训)、 thermal coupling (热耦合)、 aerodynamic (气动力)、 bearing system (轴承系统)



<http://appliedmechanicsreviews.asmedigitalcollection.asme.org>

经典期刊

□ 《应用力学评论》 Applied Mechanics Reviews

国内外研究人员单位：

帝国理工学院

清华大学

加州理工大学

西北大学

普渡大学

上海大学

华盛顿大学

力学研究所

德克萨斯A&M大学

弗吉尼亚大学



经典期刊

□ 《机械设计期刊》 Journal of Mechanical Design

属于SCI机械工程类的Q2期刊、五年刊均影响因子 2.787

应用于交通工具、建筑、设备、产品加工、生产系统等领域

开放每年评选的获奖文章



检索关键词:

design automation、 virtual reality、 geometric design、 design optimization
design sensitivity analysis、 sustainable design 、 market systems
cams、 gears、 fluid、 component smart products、 life cycle、 DFX decision analysis、
design cognition、 design synthesis

<http://mechanicaldesign.asmedigitalcollection.asme.org>

经典期刊

□ 《机械设计期刊》 Journal of Mechanical Design

国内外研究人员单位:

麻省理工学院

卡耐基-梅隆大学

普渡大学

德克萨斯A&M大学

加州大学

北京航空航天大学

西安交通大学

大连理工大学

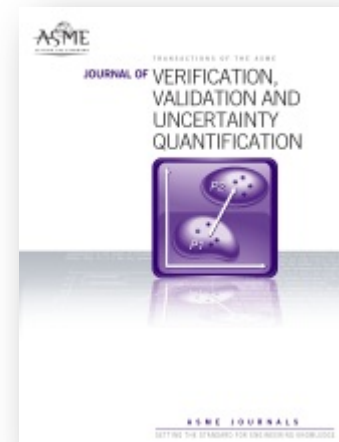
重庆大学



较新期刊

□ Verification、 Validation and Uncertainty Quantification 《校核、验证和不确定性量化期刊》

2016年起发行



检索关键词：

标准的校核； 解决方案的验证； 不确定性量化； 裕度量化； 模型预测； 模型适当度； 模型成熟度； 模型逼真度； 模型不确定性的敏感度分析； 偶发不确定性； 认知不确定性； 实验的不确定性； 测量的不确定性； 产能预测； 征状识别和排序表（PIRT）的建立； 预期使用途径； 模拟使用情景； 监管学； 比较器。

verification.asmedigitalcollection.asme.org

较新期刊 – 2016年起被SCI和ESCI收录!

2016年又有一种新刊被SCI收录、一种被ESCI（新兴学科索引）收录。SCI期刊数量达到25种（占比近90%）。

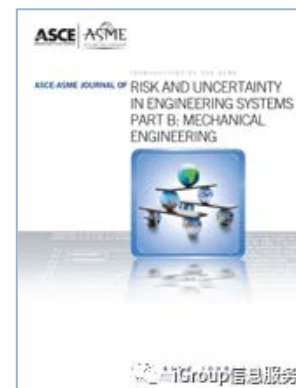
□ Journal of Micro and Nano-Manufacturing 《微纳制造期刊》

这本季刊主要发表微纳制造理论、生产流程、设备开发、精准度、材料利用率、产品生命周期分析等方面的研究论文和技术快报。自2013年创刊以来，已出版31期、共290多篇文章，探讨话题包括复合材料的微观力学、表面光洁度、铣削、切割、微晶、3D打印等。



□ Journal of Risk and Uncertainty in Engineering Systems, Part B: Mechanical Engineering 《工程系统中的风险和不确定性，B辑：机械工程》

2015年，ASCE（美国土木工程学会）和ASME合作创办了《工程系统中的风险和不确定性》系列期刊，研究对象是工程师在规划、设计、分析、建造、制造、操作和全过程管理中遇到的各类不确定因素。其中A辑针对土木工程，B辑针对机械工程。目前《B辑：机械工程》已出版24期、共260多篇文章。



较新期刊 – 2017年起被ESCI收录!

□ Journal of Nuclear Engineering & Radiation Science 《核工程和放射学期刊》

本刊的作者和编辑群体中有来自核工业和能源业相关的政府机构和企业，如美国西屋电气公司、印度巴巴原子研究中心、俄罗斯水压试验设计院 (OKB Hidropress)、中国核动力研究设计院等。主要话题围绕着核电厂运维，如核燃料和材料、新型反应堆建设和维护、运输和防护；核能相关的法规解读；以及核技术在其他方面的应用。



<http://nuclearengineering.asmedigitalcollection.asme.org>

最新期刊 – 2018年起加入ASME数据库

- Journal of Nondestructive Evaluation, Diagnostics and Prognostics of Engineering System 《工程系统的无损评估、检测和预测期刊》2018年新刊"
- ASME Journal of Engineering and Science in Medical Diagnostics and Therapy "《ASME 医学诊疗中的工程和科学期刊》2018年新刊"



投稿入口:

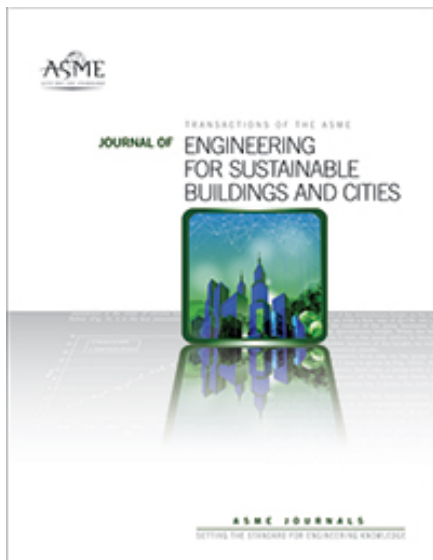
<https://journaltool.asme.org/home/JournalDescriptions.cfm?JournalID=32&Journal=JESMDT>

<https://journaltool.asme.org/home/JournalDescriptions.cfm?JournalID=31&Journal=NDE>

Check out more about the 2018 new journals at Wechat account iGroup_China!

最新期刊— 2020年全新上线!

- “ASME Journal of Engineering for Sustainable Buildings and Cities”
《ASME 可持续建筑与城市工程杂志》



应用领域:

关注城市可持续发展工程领域，涉及集成创新技术、相关建筑构件和能源设备、建筑能源建模工具、高效组合与电力、经济高效的建筑专用储能系统，以及建筑物内操作机械能系统的先进的优化控制和策略等。

投稿入口:

<https://journaltool.asme.org/home/JournalDescriptions.cfm?JournalID=34&Journal=JESBC>

最新期刊— 2021年即将上线!!!

□ Journal of Autonomous Vehicles and Systemsties 《自动驾驶车辆和系统期刊》



本期刊旨在为研究和设计在媒介环境（地面，空中，太空和水域）中运行的自动驾驶汽车和系统领域的知识及解决方案提供一个国际交流平台。该期刊重点是车辆的系统级建模、仿真和设计方法。车辆的应用包括但不限于货物运输、建筑、林业、农业、科学研究、地下、空气和水的调查及其他行星的勘探，基础设施监控和军事等。

范围：人工智能、智能决策，控制和观察、系统模型、自主车辆的建模，仿真和设计、有效载荷模型、自主车辆系统中的本体感受传感器和用于车辆的外部感受传感器、自主车辆与环境的相互作用、室外和网络物理室内试验场和研究设施、自动驾驶汽车仿真设计中的输入/输出及环境模型等。

投稿入口：

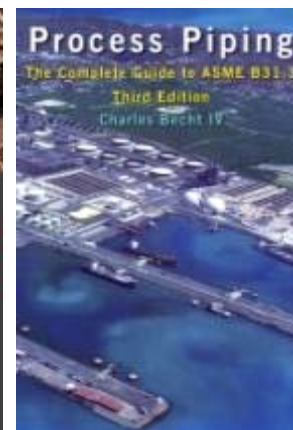
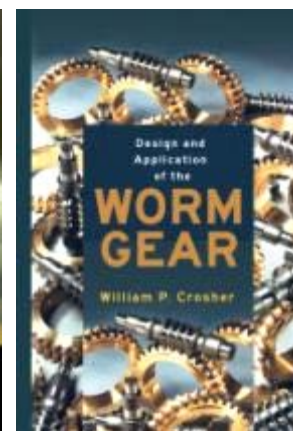
<https://journaltool.asme.org/home/JournalDescriptions.cfm?JournalID=37&Journal=JAVS>

电子图书



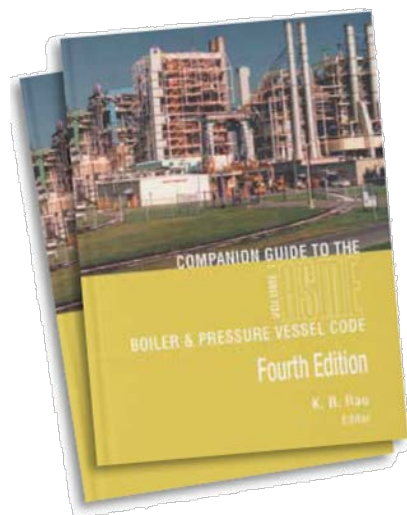
1998~now ASME eBooks

- 由ASME 技术部门主办
- 图书类型：专业参考书、专题著作、技术手册、规章解读、非 ASME 主办会议的会议录
- 图书主题：设计和制造、新兴技术（如医疗技术、人工智能）、工程技术管理、压力容器和管线、燃气轮机和动力系统、传热、电子封装、风险和补救、摩擦学
- 1993~2005 年出版的精选图书 + 2006~2019年出版的全部图书
- 每年新增 10~20 本，至2019年底增长到 239本





电子图书推荐—核能电力系列

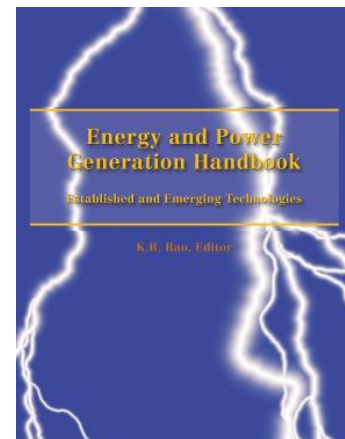


Companion Guide to the ASME Boiler and Pressure Vessel Code 《ASME锅炉和压力容器规范参考指南（第四版）》

第四版指南是在2010版ASME锅炉与压力容器规范及其2011版附录基础上编写的，共有38个章节，由49名专家共同书写完成，很大程度地更新并改进了第三版内容，并增加了至少五个全新章节。本书解释分析了BPVC规范全部12个部分里的前沿技术和管控措施，并适当加入ASME管线规范和标准的相关内容，成为了核电工程师的经典参考资料。

Energy and Power Generation Handbook: Established and Emerging Technologies 《能源和发电手册：现有技术与新兴技术》

来自全球的50位专家就已知的所有发电方式给出了全面的学术讨论和建议。包含约1250条参考和750多张插图。





电子图书推荐—生物纳米系列

(预计出40本, 已出约20本)



Design of Mechanical Bearings in Cardiac Assist Devices 《心脏辅助设备中的机械轴承设计》

机械性心脏辅助设备依靠旋转叶轮来加强供血, 支撑这一旋转结构的机械轴承就显得尤为重要。本书为机械轴承的重要设计原则和评价原则提供了完整综述, 尤其注重于第二代和第三代心室辅助器 (VAD)。

Biomedical Applications of Vibration and Acoustics in Therapy, Bioeffect and Modeling 《应用于医疗、生物效应和建模的震动和声学》

本书中的生物医疗研究课题将引导读者探索该领域的最新技术, 适合临床医生、医师、讲师和学生阅读。

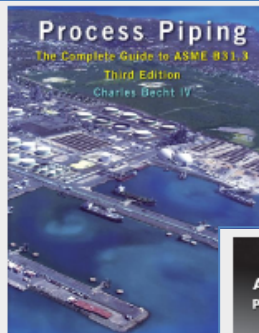


电子书图书推荐—标准应用指导手册

ASME锅炉和压力容器标准参考指南（共三卷）



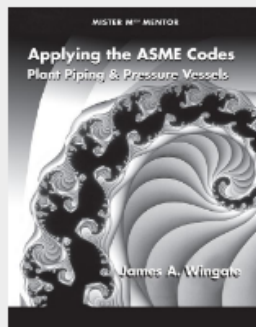
Companion Guide to the ASME Boiler & Pressure Vessel Code, Volume 2, Second Edition: Criteria and Commentary on Select Aspects of the Boiler & Pressure Vessel and Piping



Process Piping: The Complete Guide to ASME B31.3, Third Edition 

ASME B31.3加工管线标准指南

By Charles Becht, IV



Applying the ASME Codes: Plant Piping & Pressure Vessels (Mister Mech Mentor, Vol. 2) 

By James A. Wingate

ISBN-10: 0791802558
ISBN: 9780791802557
No. of Pages: 220
DOI: <https://doi.org/10.1115/1.802558>
Publisher: ASME Press
Publication date: 2007

ASME标准应用：工厂管道安设和压力容器（共两卷）

会议录

- 每年举办约30场会议，出版约100卷会议资料
- 可订购访问2000年至今的所有会议的资料
- 会议录数超1,600卷，文章超过14.5万篇
- 绝大部分内容被EI（工程信息）和SCI（科学引文索引）收录

2002~now ASME Proceedings

会议录浏览结构

系列名称（如IMECE）

年份（如2017）

卷（如Advanced Manufacturing）

栏目（如Manufacturing and Assembly of Two-Dimensional Materials and Composites）

文章（PDF格式）

知名会议

[Turbo Expo: Power for Land, Sea, and Air \(GT\) 涡轮博览会](#)

Presented by the ASME International Gas Turbine Institute

TE2013 ASME Turbo Expo 2013

June 3-7, 2013 San Antonio Convention Center, San Antonio, Texas, USA



互补期刊: 《涡轮机械期刊》

[Heat Transfer Summer Conference \(HT\) 传热会议](#)

JULY 14-19
2013
Minneapolis, MN

**ASME 2013 SUMMER
HEAT TRANSFER CONFERENCE**



互补期刊: 《传热期刊》

[International Mechanical Engineering Congress & Exposition
国际机械工程大会和博览 \(IMECE\)](#)



ASME 2017 IMECE®
NOVEMBER 3-9, 2017 • TAMPA, FLORIDA, USA

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LEARN MORE



ASME 2017 IMECE®
NOVEMBER 3-9, 2017 • TAMPA, FLORIDA, USA



CLICK HERE TO
LEARN MORE

点击题图进入IMECE会议日程

IMECE会议录分为14卷

[1: Advances in Aerospace Technology](#)

[2: Advanced Manufacturing](#)

[3: Biomedical and Biotechnology Engineering](#)

[4: Dynamics, Vibration, and Control](#)

[5: Education and Globalization](#)

[6: Energy](#)

[7: Fluids Engineering](#)

[8: Heat Transfer and Thermal Engineering](#)

[9: Mechanics of Solids, Structures and Fluids; NDE, Diagnosis, and Prognosis](#)

[10: Micro- and Nano-Systems Engineering and Packaging](#)

[11: Systems, Design, and Complexity](#)

[12: Transportation Systems](#)

[13: Acoustics, Vibration, and Wave Propagation](#)

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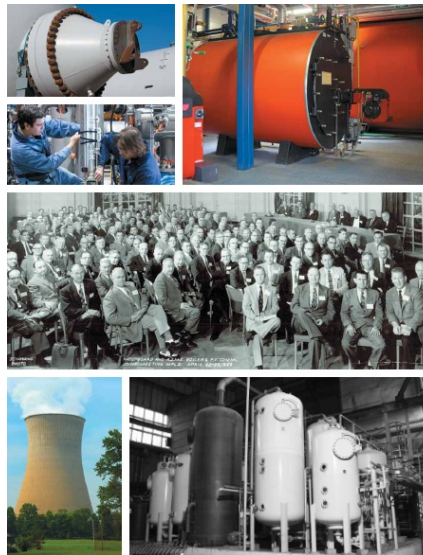
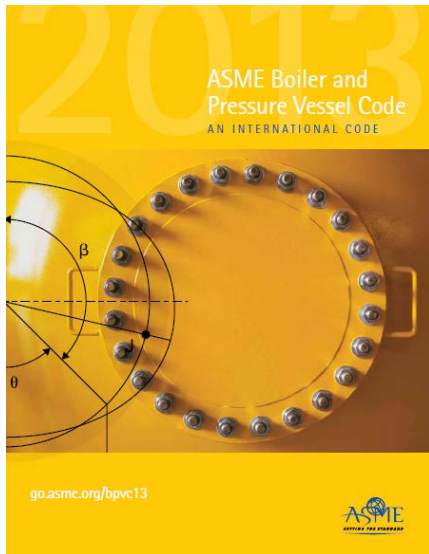
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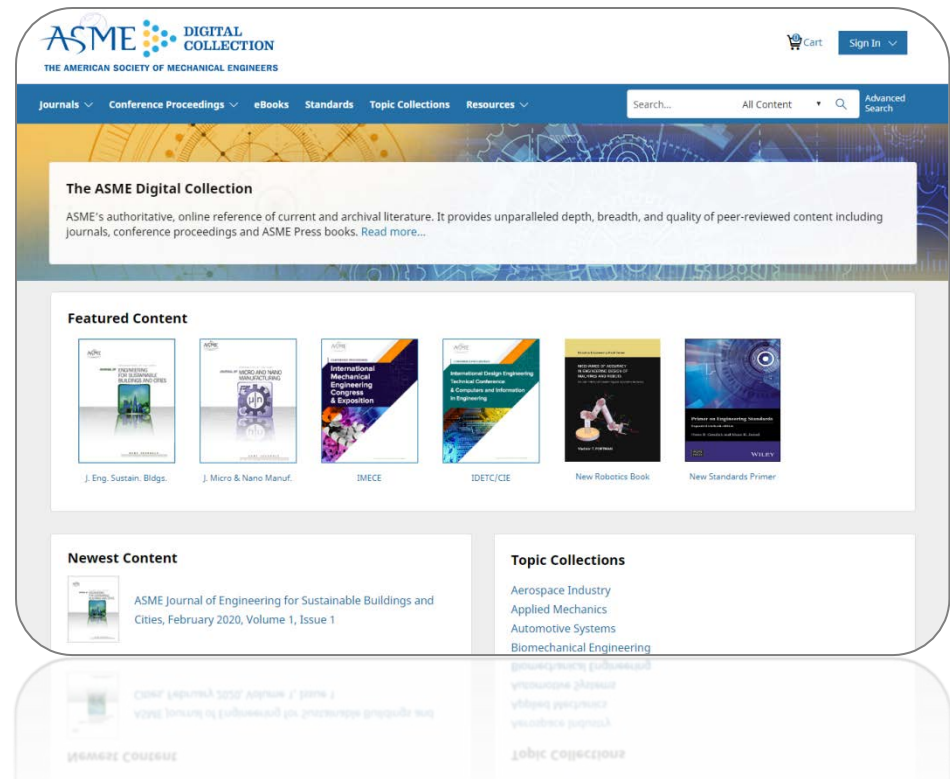
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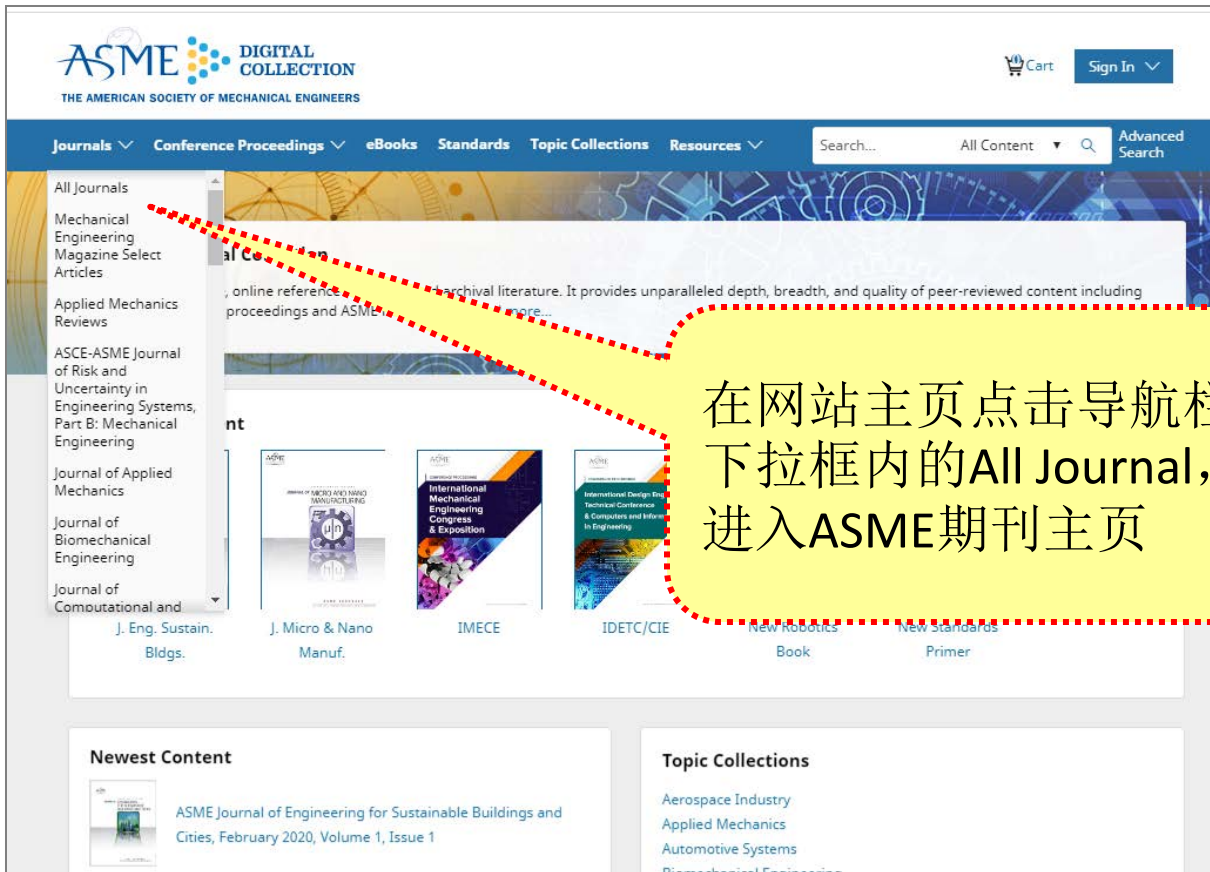
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A. 期刊



The screenshot displays the ASME Digital Collection website interface. At the top, the ASME logo and 'DIGITAL COLLECTION' are visible, along with 'THE AMERICAN SOCIETY OF MECHANICAL ENGINEERS'. A navigation bar includes 'Journals', 'Conference Proceedings', 'eBooks', 'Standards', 'Topic Collections', and 'Resources'. A search bar is present with 'Search...', 'All Content', and 'Advanced Search' options. A dropdown menu is open under 'Journals', listing various journals such as 'Mechanical Engineering Magazine Select Articles', 'Applied Mechanics Reviews', 'ASCE-ASME Journal of Risk and Uncertainty in Engineering Systems, Part B: Mechanical Engineering', 'Journal of Applied Mechanics', 'Journal of Biomechanical Engineering', and 'Journal of Computational and Nonlinear Dynamics'. A red dashed arrow points from the 'All Journals' option in the dropdown to a yellow callout box. The callout box contains the text: '在网站主页点击导航栏下拉框内的All Journal, 进入ASME期刊主页'. Below the navigation bar, several journal covers are displayed, including 'J. Eng. Sustain. Bldgs.', 'J. Micro & Nano Manuf.', 'IMECE', 'IDETC/CIE', 'New Robotics Book', and 'New Standards Primer'. The bottom section of the page features 'Newest Content' and 'Topic Collections'.

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Hosein Molavi, Ali Hakkaki-Fard, Ramin K. Rahmani, Anahita

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A Novel Methodology for Combined Parameter and Function Estimation Problems



Hosein Molavi, Ali Hakkaki-Fard, Ramin K. Rahmani, Anahita Ayasoufi, Mehdi Molavi



+ Author and Article Information

J. Heat Transfer. Dec 2010, 132(12): 121301 (11 pages)

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This article presents a novel methodology, which is highly efficient and simple to implement, for simultaneous retrieval of a complete set of thermal coefficients in combined parameter and function estimation problems. Moreover, the effect of correlated unknown variables on convergence performance is examined. The present methodology is a

Issue Section: Conduction

Keywords: conjugate gradient methods, heat conduction, Box-Kanemasu method, conjugate gradient method, function estimation, parameter estimation

Topics: Contact resistance, Errors, Gradient methods, Heat flux, Parameter estimation, Specific heat, Temperature, Thermal conductivity, Noise (Sound), Sensors, Heat conduction, Inverse problems

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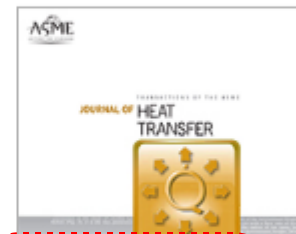


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Sensors, Heat conduction, Inverse problems

Introduction

The object of an inverse heat conduction problem is the estimation of unknown functions or parameters (e.g., thermophysical properties) appearing in the mathematical model, given the measured temperature histories of a heat-conducting space along with a computational "estimator" algorithm. This happens when the direct measurement of boundary conditions or of the thermophysical properties of a system is unfeasible. The IHCP is considered to be a "difficult" problem (1) as the unavoidable noise imbedded in the data can produce large or even unbounded deviations in the solution. This is due to "ill-posed" nature of the IHCP (1). In general, solution of the IHCP involves minimization of a sum of squared error function, which is defined based on the difference between the calculated and the measured temperatures (2). The thermal coefficients (i.e., thermophysical properties, boundary or initial conditions) that minimize the aforementioned error function are the solutions of the IHCP. An excellent review of literature and comprehensive bibliography on the

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2. Hakkaki-Fard, A., and Kowsary, F., 2008, "Heat Flux Estimation in a Charring Ablator," *Numer. Heat Transfer, Part A* 104(3), pp. 543-560.

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3. A. Fanov, O. M. , 1994, *Inverse Heat Transfer*, Wiley, New York.

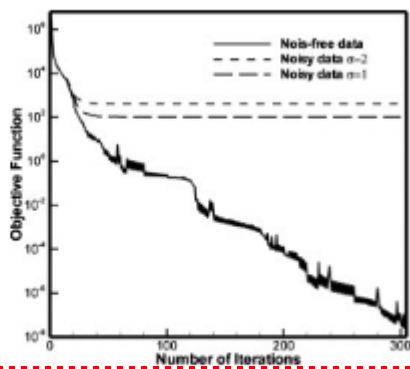
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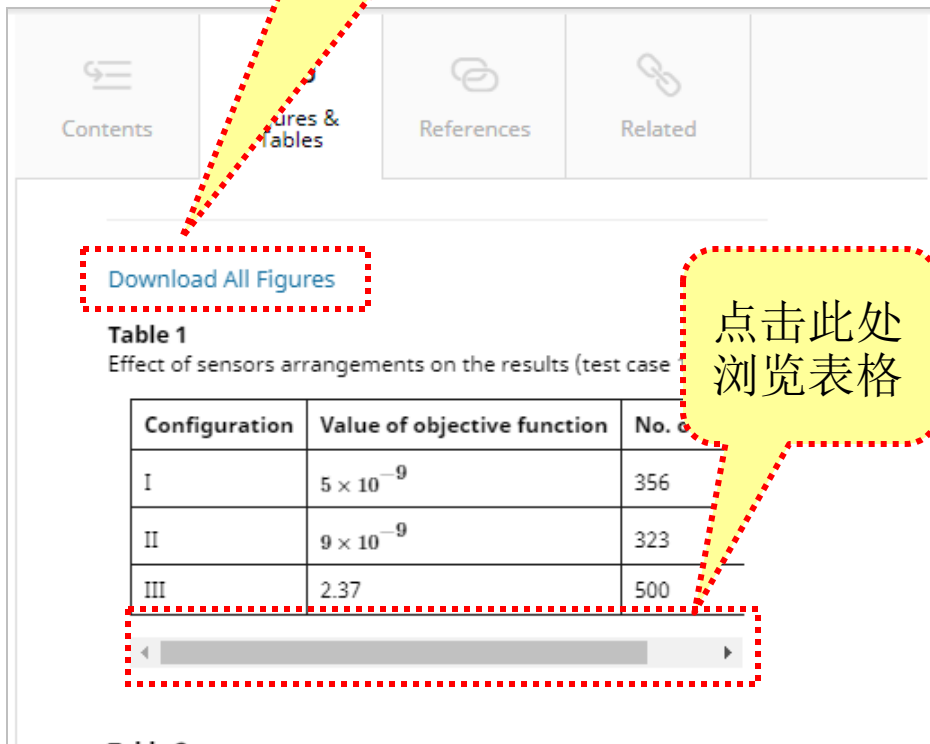
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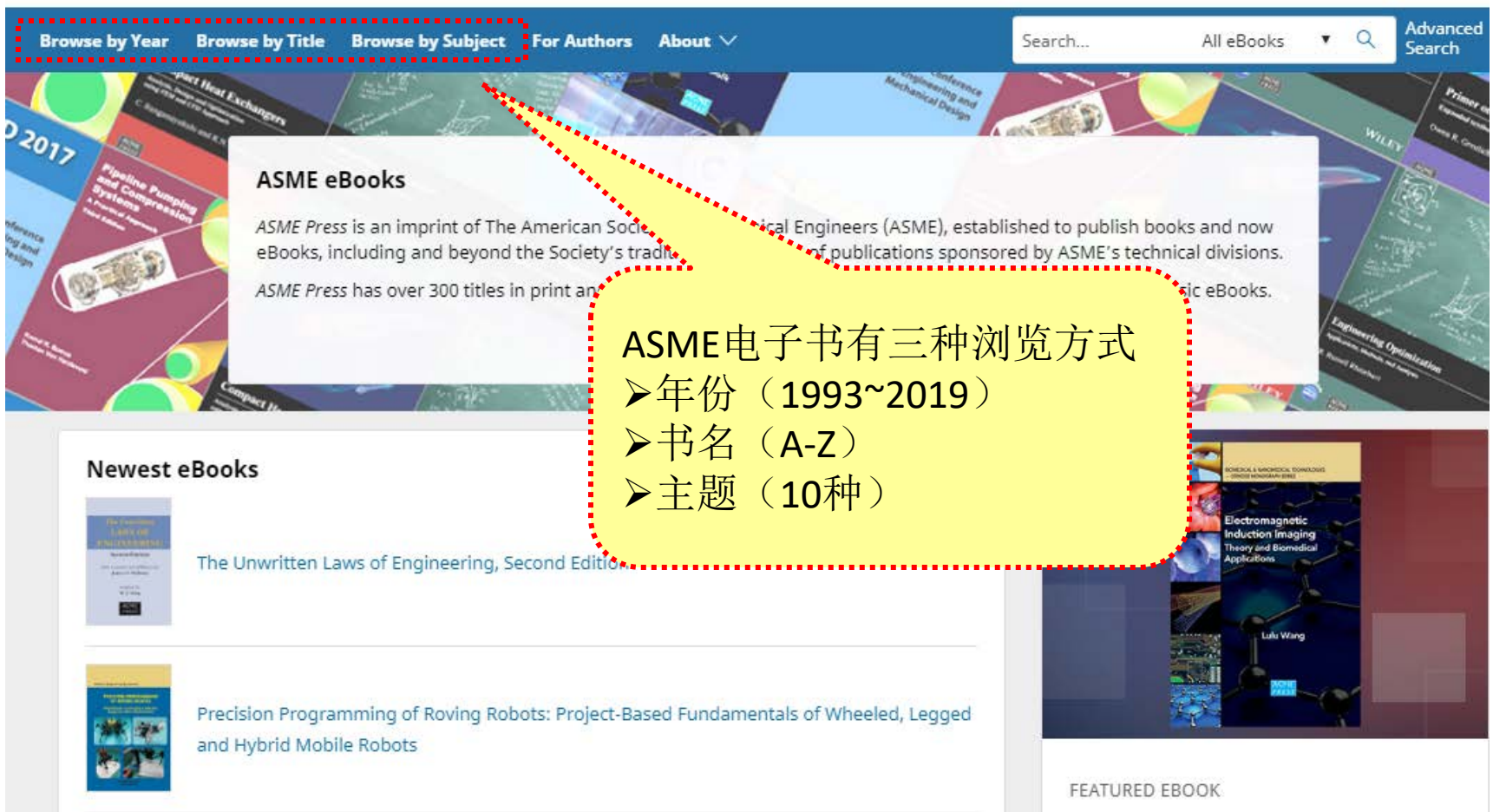
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Configuration	Value of objective function	No. of iterations
I	5×10^{-9}	356
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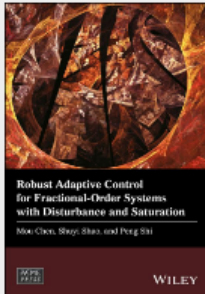
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Robust Adaptive Control for Fractional-Order Systems with Disturbance and Saturation

By [Mou Chen, Shuyo Shao, Peng Shi](#)

ISBN: 9781119393276

No. of Pages: 252

DOI: <https://doi.org/10.1115/1.861RAC>

Publisher: ASME-Wiley

Publication date: 2018

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Description

Robust Adaptive Control for Fractional-Order Systems, with Disturbance and Saturation provides the reader with a good understanding on how to achieve tracking control and synchronization control of fractional-order nonlinear systems with system uncertainties, external disturbance, and input saturation. Although some texts have touched upon control of fractional-order systems, the issues of input saturation and disturbances have rarely been considered together.

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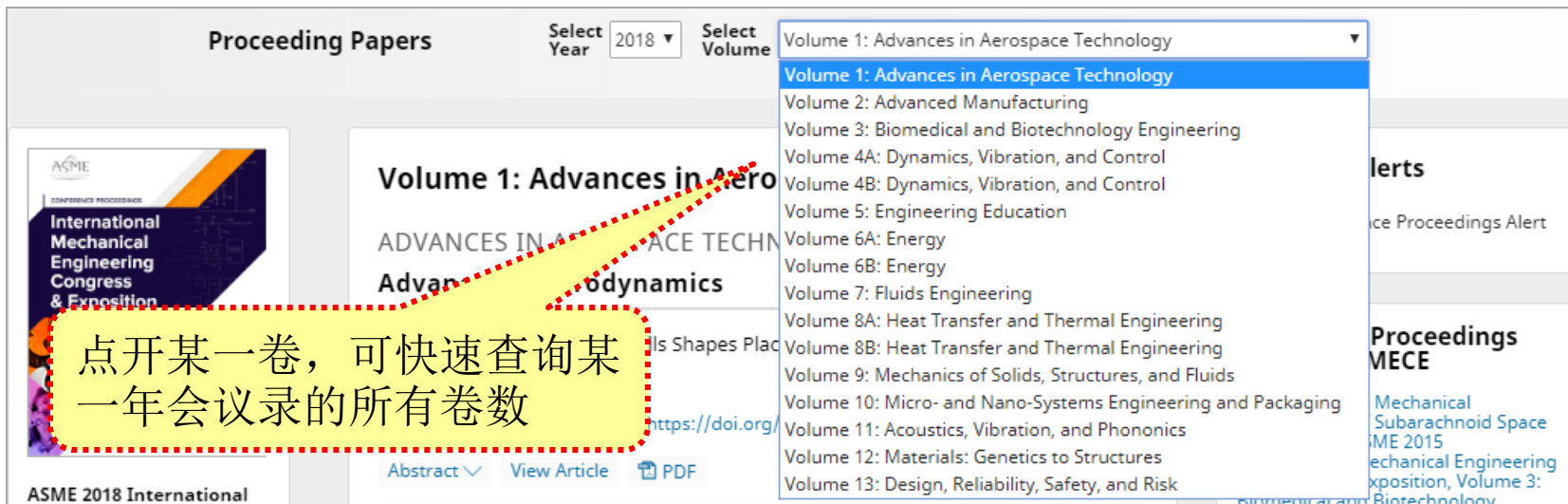
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Advances in Aerodynamics

Solution to Optimize the Airfoils Shapes Placed Into a Supersonic Viscous Flow 

[Victorita Radulescu](#)

IMECE 2018; V001T03A001 doi: <https://doi.org/10.1115/IMECE2018-86781>

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[Jun Li, Zhigang Li, Liming Song, Qinghua Deng](#)

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Victorita Radulescu



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Victorita Radulescu

University Politehnica of Bucharest, Bucharest, Romania

Paper No: IMECE2018-86781, V001T03A001; 13 pages

<https://doi.org/10.1115/IMECE2018-86781>

Published Online: January 15, 2019

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To improve the airfoils performances placed in supersonic flow is proposed a method of optimization for their shapes, in order to minimize the effect of the landing vortices. The theoretical modeling starts with the Navier-Stokes equations applied for thin layers, supplemented with additional conditions related to the profile shape. For a proper estimation of efficiency and responses at different flow regime's conditions, were considered four aerodynamics airfoils, with different shapes and functioning characteristics. Two of them are special shapes, supersonic profiles and the other two deduced by the

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Analysis of the Performance of Plasma Actuators Under Low-Pressure Turbine Conditions Based on Experiments and URANS Simulations
GT2017

Numerical Study of Wing

会议录文章和期刊文章页面结构相似，不同的是没有参考文献和插图

[Browse by Series](#) [Browse by Subject Category](#) [Browse by Year](#) [Topic Collections](#) [About](#) ▾

Search...

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](#)

按主题类别浏览

Multidisciplinary Engineering 多学科工程

Biomedical and Biotechnology Engineering
生物医学和生物技术工程

Design Engineering 工程设计

Manufacturing and Materials Engineering
制造与材料工程

Microtechnology and Nanotechnology
微米/纳米技术

Nuclear Engineering 核工程

Power and Energy 动力与能源

Pressure Technology 压力技术

Browse By Year

Select Decade

1950

1960

1970

1980

1990

2000

2010

Select Year

2010

2011

2012

2013

2014

2015

2016

2017

2018

2019

2018

+ ASME 2018 Symposium on Elevated Temperature Application of Materials for Fossil, Nuclear, and Petrochemical Industries (ETAM2018)

+ 2018 Joint Rail Conference (JRC2018)

— ASME 2018 12th International Conference on Energy Sustainability collocated with the ASME 2018 Power Conference and the ASME 2018 Nuclear Forum (ES2018)

Volume Title

[ASME 2018 12th International Conference on Energy Sustainability](#)

— ASME 2018 Dynamic Systems and Control Conference (DSCC2018)

Volume Title

Volume 1: Advances in Control Design Methods; Advances in Nonlinear Control; Advances in Robotics; Assistive and Rehabilitation Robotics; Automotive Dynamics and Emerging Powertrain Technologies; Automotive Systems; Bio Engineering Applications; Bio-Mechatronics and Physical Human Robot Interaction; Biomedical and Neural Systems; Biomedical and Neural Systems Modeling, Diagnostics, and Healthcare


Volume 2: Control and Optimization of Connected and Automated Ground Vehicles; Dynamic Systems and Control Education; Dynamics and Control of Renewable Energy Systems; Energy Harvesting; Energy Systems; Estimation and Identification; Intelligent Transportation and Vehicles; Manufacturing; Mechatronics; Modeling and Control of IC Engines and Aftertreatment Systems; Modeling and Control of IC Engines and Powertrain Systems; Modeling and Management of Power Systems

Volume 3: Modeling and Validation; Multi-Agent and Networked Systems; Path Planning and Motion Control; Tracking Control Systems; Unmanned Aerial Vehicles (UAVs) and Application; Unmanned Ground and Aerial Vehicles; Vibration in Mechanical Systems; Vibrations and Control of Systems; Vibrations: Modeling, Analysis, and Control

按年份浏览，每种会议的卷数分开排列

新功能 **NEW**

A. Topic Collection 主题检索



The screenshot shows the iGroup website's search interface for Topic Collections. The top navigation bar includes 'Journals', 'Conference Proceedings', 'eBooks', 'Standards', 'Topic Collections', and 'Resources'. A search bar is located on the right. The left sidebar contains an 'Update Search' section with a search input field, a 'Filter' dropdown, and 'Add term' and 'Update' buttons. Below this is a 'Journal citation' section and a 'Format' section with checkboxes for 'Journal Articles (3690)', 'eBook Chapter (192)', and 'Proceedings Papers (10242)'. The 'Subjects' section has a checkbox for 'Design & Manufacturing (19)'. The main content area shows search results for 'Aerospace Industry' (1-20 of 14124). A 'Save search' button and a 'Sort by' dropdown (set to 'Date - Newest First') are visible. The first result is 'Living the Dream' with a lock icon. Below the title, it shows 'Journal: N...', 'Article Type: Se...', 'Mechanical Engineering', 'Paper No: ME-2019-A...', 'DOI: https://doi.org/', and 'Published Online: Au...'. At the bottom of the result, there are buttons for 'Abstract', 'View Article', and 'PDF'.

1-20 of 14124
Aerospace Industry

Save search Sort by Date - Newest First

JOURNAL ARTICLES
Living the Dream
Conference
Journal: N...
Article Type: Se...
Mechanical Engineering
Paper No: ME-2019-A...
DOI: https://doi.org/...
Published Online: Au...

Abstract View Article PDF

JOURNAL ARTICLES

点击导航栏上的Topic Collection，迅速找到您感兴趣的领域和主题

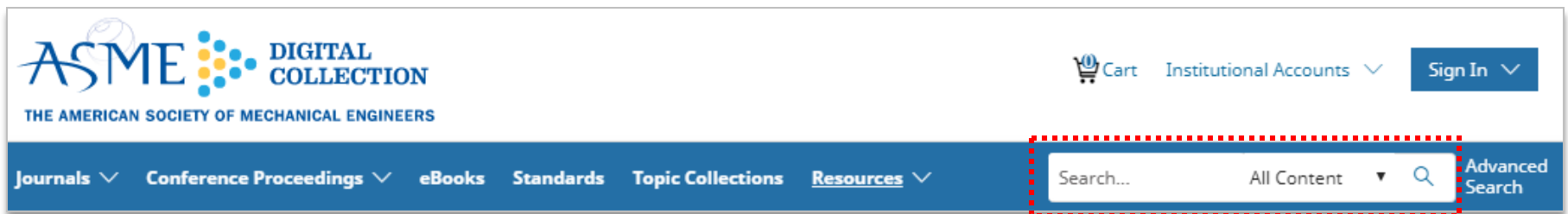
点开某一主题，左侧栏显示多种分类方式，可在同一个主题下，分别浏览期刊、电子书和会议录中的文章

33个主题

- Biomechanical Engineering 生物机械工程
Biomedical Engineering 生物医学工程
Boilers & Pressure Vessels 锅炉和压力容器
Manufacturing & Processing 制造和加工
Noise Control & Acoustics 噪声控制和声效
Nondestructive Evaluation 无损评估
Environmental Engineering 环境工程
Engineering Technology Management 工程技术管理
Pipeline & Piping Systems 管线系统
Building & Construction 建筑和施工
Renewable Energy 可再生能源
Robotics & Mechatronics 机器人和机电一体化
Computer-Aided Design (CAD) 计算机辅助设计
Conventional Power & Fuels 传统能源与燃料
Dynamic Systems & Control 动力系统与控制
Electronic & Photonic Packaging 电子与光子封装
Internal Combustion Engines 内燃机
Ocean, Offshore & Arctic Engineering 海洋、海岸与极地工程
Computers & Information in Engineering 计算机与信息的工程应用
Aerospace Industry 航空航天
Applied Mechanics 应用力学
Automotive Systems 汽车系统
Fluids Engineering 流体工程
Heat Transfer 热传导
Careers 职业规划
Defense Industry 国防
Nuclear Engineering 核工程
Numerical Analysis 数值分析
Design Engineering 工程设计
Energy 能源
Nanotechnology 纳米技术
Transportation 交通
Tribology 摩擦学



B. 检索



ASME DIGITAL COLLECTION
THE AMERICAN SOCIETY OF MECHANICAL ENGINEERS

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Journals Conference Proceedings eBooks Standards Topic Collections Resources

Search... All Content Advanced Search

输入关键词、在ASME全站范围内检索

※ 支持词根检索、检索词联想、所在页面出版物范围内检索、检索词的逻辑关系

例如，检索material simulation*

检索结果按相关度或日期排列

Update Search

material simulation

Filter ▾

Add term Update

Journal citation

Format

- Journal Articles (5462)
- eBook (20)
- eBook Chapter (134)
- Proceedings Papers (15973)
- Image (383)

Subjects


- Design & Manufacturing (14)
- Emerging Technologies (93)

1-20 of 21972 Search Results for
material simulation*

[Save search](#)

Sort by

PROCEEDINGS PAPERS

Correlations Between Quantum Mechanics and Continuum Mechanics for Ferroelectric **Material Simulations** 

[William S. Oates](#)

Proc. ASME. SMASIS2013, Volume 2: Mechanics and Behavior of Active Materials; Structural Health Monitoring; Bioinspired Smart Materials and Systems: Energy Harvesting, V002T02A013, September 16-18, 2013

Paper No.


... High
mechanic
Feynman

[Abstract](#)

检索结果可按文章格式和主题筛选
如果是期刊，可按期刊名称、年份、卷期或页码筛选

... generated by integrating electron density calculations using quantum
... ing framework. Electrostatic stresses based on the Hellmann-

PROCEE

Parametric Shape and **Material Simulations** for Optimized Parts Design 

Journal

- Journal of Manufacturing Science and Engineering (644)
- Journal of Engineering Materials and Technology (586)
- Journal of Biomechanical Engineering (475)
- Journal of Heat Transfer (366)
- Journal of Applied Mechanics (361)

[Show more](#)

eBook Series

- ASME Press Selected Proceedings (12)
- BioNano Monographs (1)

Article Type

Conference Series

- ASME International Mechanical Engineering Congress and Exposition (3458)
- Turbo Expo: Power for Land, Sea, and Air (2054)
- International Design Engineering Technical Conferences and Computers and Information in Engineering Conference (1545)
- Pressure Vessels and Piping Conference (1306)

Supplemental Material

- Has Multimedia (2)

Subject Area

- Research Papers (2861)
- Technical Papers (724)
- Heat Transfer (464)
- Materials and Fabrication (372)
- Structures and Dynamics (225)

[Show more](#)

Topics

- Simulation (14813)
- Computer simulation (6909)
- Design (5516)
- Flow (Dynamics)

Date





- Date range
- Single date

From

To

[Apply](#)

Availability

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-  Public Access
-  Available
-  Available for purchase

检索结果也可按期刊、会议录、电子书系列、文章类型、补充材料、学科领域、话题、文章发表日期和文章访问类型筛选

C. 高级检索

Search...

All Content



Advanced Search

Update Search

Filter

Title

Author

Full Text

Abstract

Keyword

DOI

ISBN

ISBN-10

ISSN

Issue

Volume

References

Paper No

Design & Manufacturing (807)

1-20 of 755317

Save search

Sort by Relevancy

JOURNAL



Journal of Applied Mechanics

Serves as a vehicle for the communication of original research results of permanent interest in all branches of mechanics. The majority of the papers published in the journal are full-length articles of considerable depth.



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.

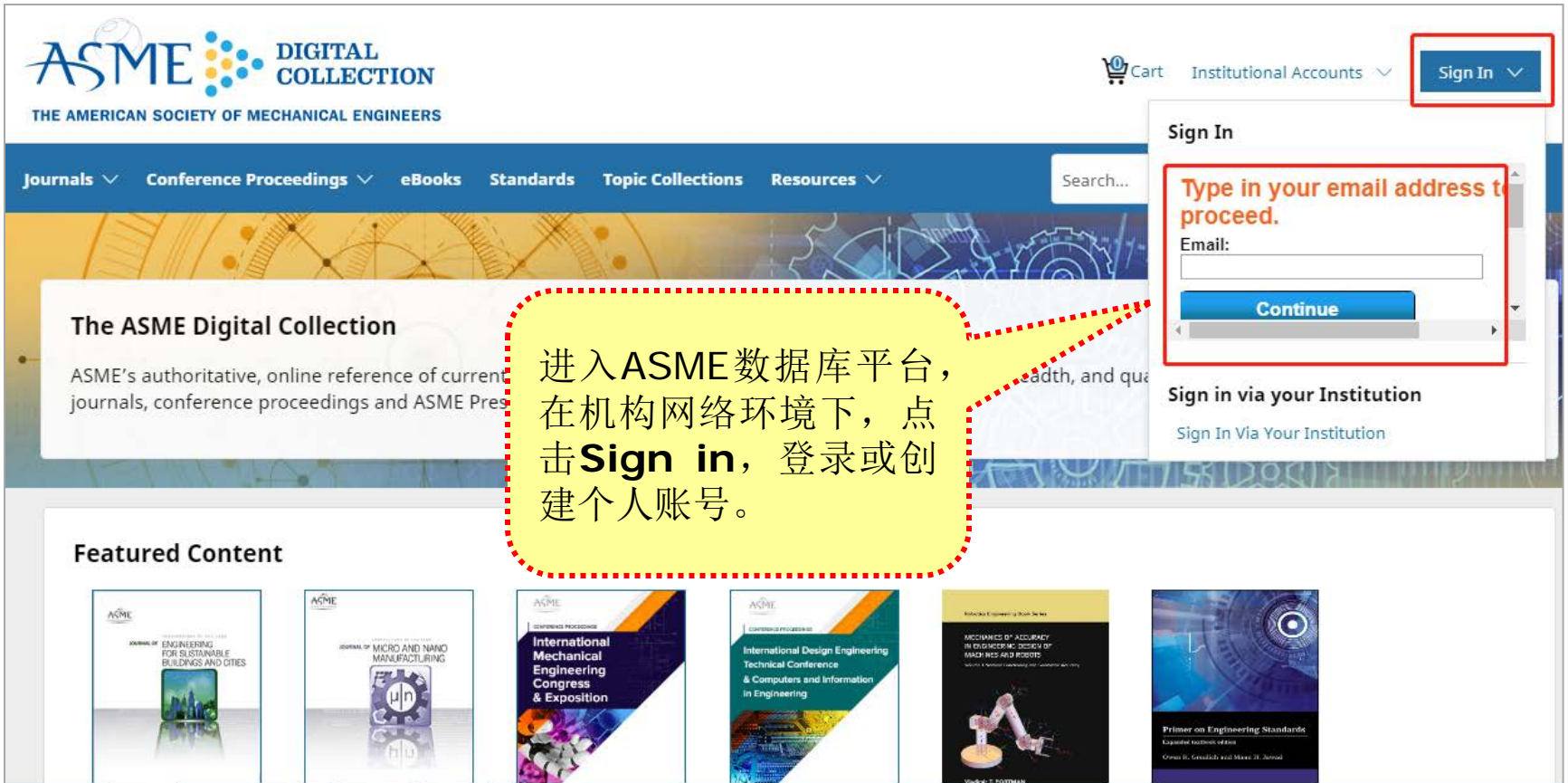
下拉Filter，检索标题、作者、全文、摘要、关键词、DOI号、ISBN-10、ISSN号、卷期、文献或论文编号

D. 移动应用

ASME 用户可通过所在单位的网络进入新平台，用个人邮箱建立一个账号，然后用移动设备访问新平台并用该账号登录即可。为验证移动用户是否隶属于订阅 ASME 的单位，需每三个月至少通过电脑登录一次。

※ 您在旧平台上设置的邮件提醒将无法延续至新平台。如您需要这项服务，请在新平台重建账号。

1

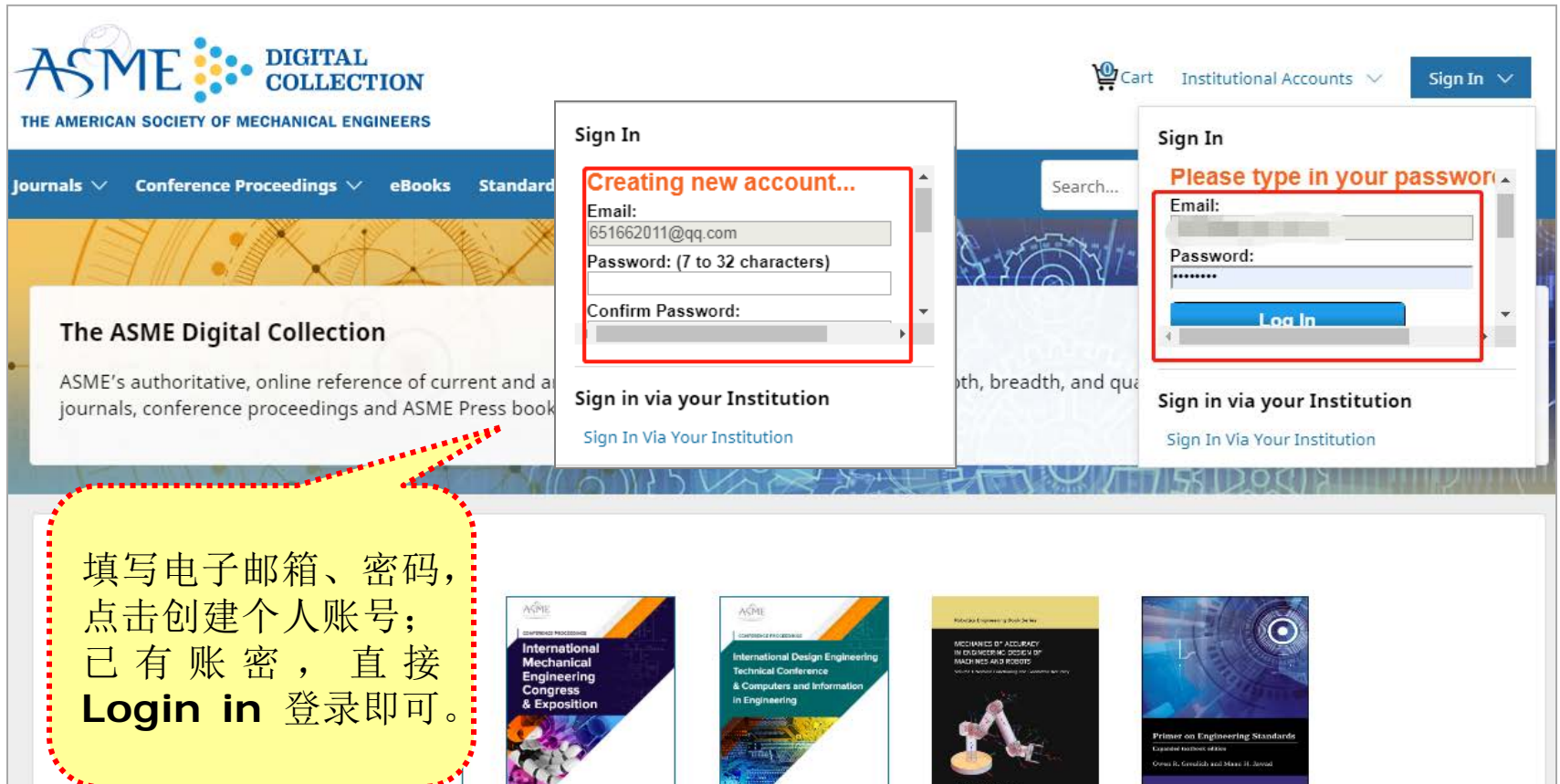


The screenshot displays the ASME Digital Collection website interface. At the top left is the ASME logo with the text "DIGITAL COLLECTION" and "THE AMERICAN SOCIETY OF MECHANICAL ENGINEERS". On the top right, there are links for "Cart", "Institutional Accounts", and a "Sign In" button highlighted with a red box. Below the navigation bar, a search bar is visible. A "Sign In" modal window is open, containing the instruction "Type in your email address to proceed.", an "Email:" input field, and a "Continue" button, all enclosed in a red box. A yellow callout box with a red dotted border contains the Chinese text: "进入ASME数据库平台，在机构网络环境下，点击**Sign in**，登录或创建个人账号。" Below the modal, there is a "Sign in via your Institution" section with a "Sign In Via Your Institution" link. The main content area features a "Featured Content" section with several book covers, including "Journal of Engineering for Sustainable Buildings and Cities", "Journal of Micro and Nano Manufacturing", "International Mechanical Engineering Congress & Exposition", "International Design Engineering Technical Conference & Computers and Information in Engineering", "Mechanics of Assembly in Discrete Bodies of Machines and Robots", and "Primer on Engineering Standards".

注：ASME 数据库网站：<http://asmedigitalcollection.asme.org/>



2



ASME DIGITAL COLLECTION
THE AMERICAN SOCIETY OF MECHANICAL ENGINEERS

Journals ▾ Conference Proceedings ▾ eBooks Standard

Search...

Sign In
Creating new account...
Email: 651662011@qq.com
Password: (7 to 32 characters)
Confirm Password:

Sign in via your Institution
Sign In Via Your Institution

Sign In
Please type in your password
Email:
Password:
Log In

Sign in via your Institution
Sign In Via Your Institution

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ASME's authoritative, online reference of current and a journals, conference proceedings and ASME Press book

with, breadth, and qua

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International Mechanical Engineering Congress & Exposition

International Design Engineering Technical Conference & Computers and Information in Engineering

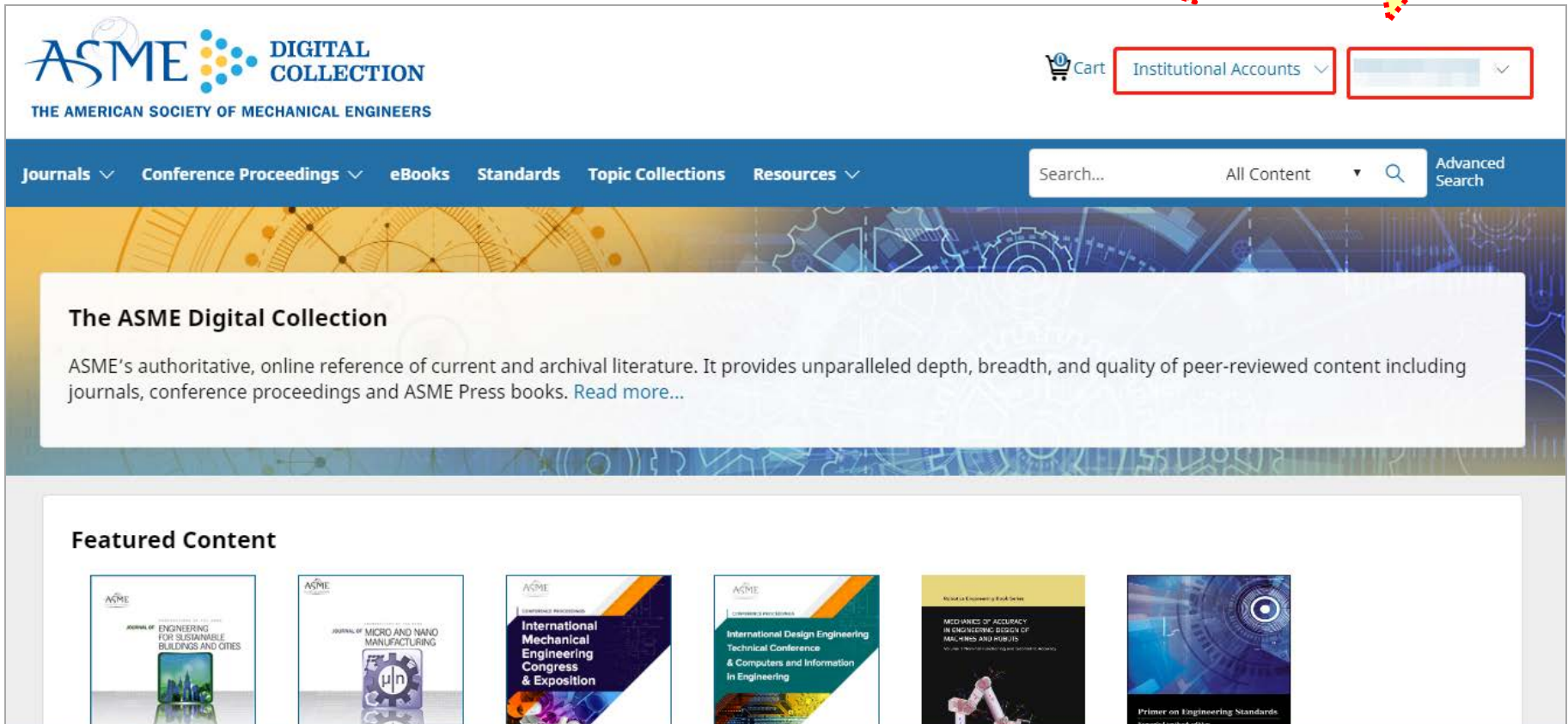
Mechanisms of Accuracy in Dynamic Systems of Machines and Robots

Primer on Engineering Standards
Expanded technical edition
Omar B. Gurdubay and Mass. H. Javadi



机构账号

个人账号



The screenshot displays the ASME Digital Collection website. 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 is a shopping cart icon, a dropdown menu for "Institutional Accounts", and a search input field. Below the header is a navigation bar with links for "Journals", "Conference Proceedings", "eBooks", "Standards", "Topic Collections", and "Resources". A search bar with "Search...", "All Content", and "Advanced Search" options is also present. The main content area features a banner for "The ASME Digital Collection" with a description: "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 this is a "Featured Content" section with six book covers: "Journal of Engineering for Sustainable Buildings and Cities", "Journal of Micro and Nano Manufacturing", "International Mechanical Engineering Congress & Exposition", "International Design Engineering Technical Conference & Computers and Information in Engineering", "Mechanics of Accuracy in Engineering Design of Machines and Robots", and "Primer on Engineering Standards".



Journals ▾ Conference Proceedings ▾ eBooks Standards Topic Collections Resources ▾

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ACCOUNT INFO

Customer Number:

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个人账号信息

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E. 投稿





投稿入口

A. 期刊

点击 <https://asmedigitalcollection.asme.org/journals>，进入期刊主页面：

- Call for Papers或Announcements and Call for Paper链接，可查看ASME期刊正在筹备的特刊以及他们的征稿要求。
- ASME' s Guide for Journal Authors，可点击下载作者指南



Journal of Tribology

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Search...

J. Tribol.



Advanced Search



CURRENT ISSUE

September 2019,

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ISSUES IN PROGRESS

[Volume 141, Issue 11, November 2019](#)

[Volume 141, Issue 10, October 2019](#)

[Submit Paper](#)

[Information for Authors](#)

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[Announcements and Call for Papers](#)

About the Journal

The *Journal of Tribology* publishes over 100 outstanding technical articles of permanent interest to the tribology community annually and attracts articles by tribologists from around the world. The journal features a mix of experimental, numerical, and theoretical articles dealing with all aspects of the field. [Read more...](#)

Michael M. Khonsari,
Louisiana State University
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Impact Factor

1.787



Call for Papers

ASME continuously publishes special issues in emerging areas. Stay up to date on the latest call for papers if you'd like to submit.



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If you're new to the ASME Journals, here's our guide for submitting a paper, open access, benefits to authors and much more. Still have questions? We're happy to hear from you! Send us an email at journals@asme.org.



投稿入口-Submit a Paper

点击 journaltool.asme.org, 进入数据库全部期刊提交稿件主页面:

The screenshot shows the ASME Journals Connect website. At the top, there is a navigation bar with the ASME logo and a 'Go to ASME.ORG Home >' link. Below this is a secondary navigation bar with links for 'Journals Connect', 'Home', 'About Journals', 'Links', 'Author Center', 'Help', and 'Feedback'. A 'LOG IN' button is highlighted with a red dashed box.

The main content area is titled 'Welcome to ASME Journals Connect!'. It contains a list of journals on the left, a central text block with a list of submission types, and a 'Login' section on the right. The 'Login' section includes a 'New Authors' section with a 'SELECT ROLE' button, which is also highlighted with a red dashed box. The 'SELECT ROLE' button has radio buttons for 'Authors', 'Reviewers', 'Associate Editors', and 'Editors'.

Annotations in red text are overlaid on the screenshot:

- 1. 用投稿/审稿邮箱登录或注册一个新账号 (Use submission/review email to log in or register a new account)
- 2. 选择角色进入 (Select role to enter)
- Click to view editorial policy, edit reference website, and submission requirements for each journal issue.



投稿入口

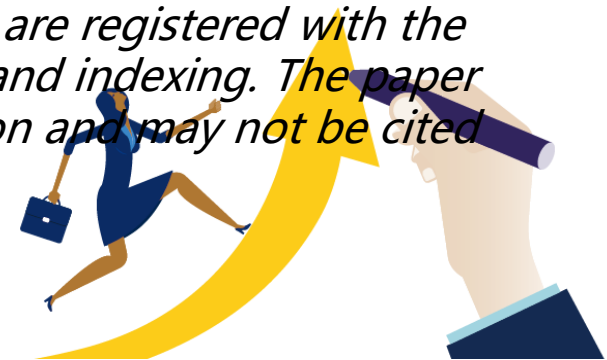
B. 会议录

在ASME学会官网查询即将召开的会议，找到注册、摘要投稿、海报投稿、审稿完成等关键时间节点。

※ 总入口：<https://www.asme.org/events/conferences>

为什么要参会：

“According to ASME’s conference presenter attendance policy, if a paper is not presented at the Conference by an author of the paper, the paper will not be published in the official archival Proceedings, which are registered with the Library of Congress and are submitted for abstracting and indexing. The paper also will not be published in The ASME Digital Collection and may not be cited as a published paper.”



[Conferences & Events](#) > Events

Calendar of Events

Search for an event...



[Advanced Search](#)

Upcoming

Archived

By Month

Calendar

List

Jul 2020

Jul 20-24,
2020

2020 14th ASME/NRC OM Code Symposium O&M Committee Meetings

Rockville, MD, USA

Conferences

1. 点击进入具体会议页面

Aug 2020

Aug 3-6,
2020

International Conference on Ocean, Offshore, and Arctic Engineering (OMAE)

Conferences

Filters

Event Type

Committee Meetings

Conferences

Courses

Networking

Seminars

Workshops

Webinar

Event Format

All Formats




Location

ASME官网公布即将召开的会议 ↑



3. 登录或注册后了解更多详情及提交稿件

Provided by  The American Society of Mechanical Engineers

 **2020 14TH ASME/NRC OM CODE SYMPOSIUM** | TBD, TBD
Formerly the ASME/NRC Pump & Valve Symposium

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 **2020 14th ASME/NRC OM Code Symposium**
ASME O&M Committee Meetings

TBD, TBD

Formerly the ASME/NRC Pump & Valve Symposium

Updated: 7/1/2020

ASME is monitoring the Coronavirus (COVID-19) situation to ensure the health and safety of our meeting and conference participants, as well as our staff. We will also be monitoring the recommendations from the Centers for Disease Control and Prevention (CDC) and the World Health Organization (WHO) as the situation progresses.

As of this date, the conference is currently scheduled to take place. Please continue your work in the expectation that the If there are any changes to these plans, we will provide updates on this website. We understand that you will have questions, so please check back periodically. Thank you.

ASME

The next update to this information is scheduled next Wednesday.

development and research in the pre-service testing of nuclear power plants. The service testing is essential in ensuring that nuclear power plants are operating safely and their readiness for safe shutdown. The field is rapidly changing. The symposium will cover topics on pre-service testing and in-service testing from the perspective of industry best practices and the ASME OM Code.

Please visit the website periodically for additional updated information.

2. 进入该会议最新一届的预告界面，关注 **IMPORTANT DATES** →

IMPORTANT DATES

Submission of Full-Length Paper for Review
April 03, 2020

Author Notification of Full-Length Paper Acceptance/Comments
April 20, 2020

Submission of Revised Full-Length Paper for Review (if required)
Author Notification of Acceptance of Revised Full-Length Paper
April 30, 2020

Submission of Presentation Material

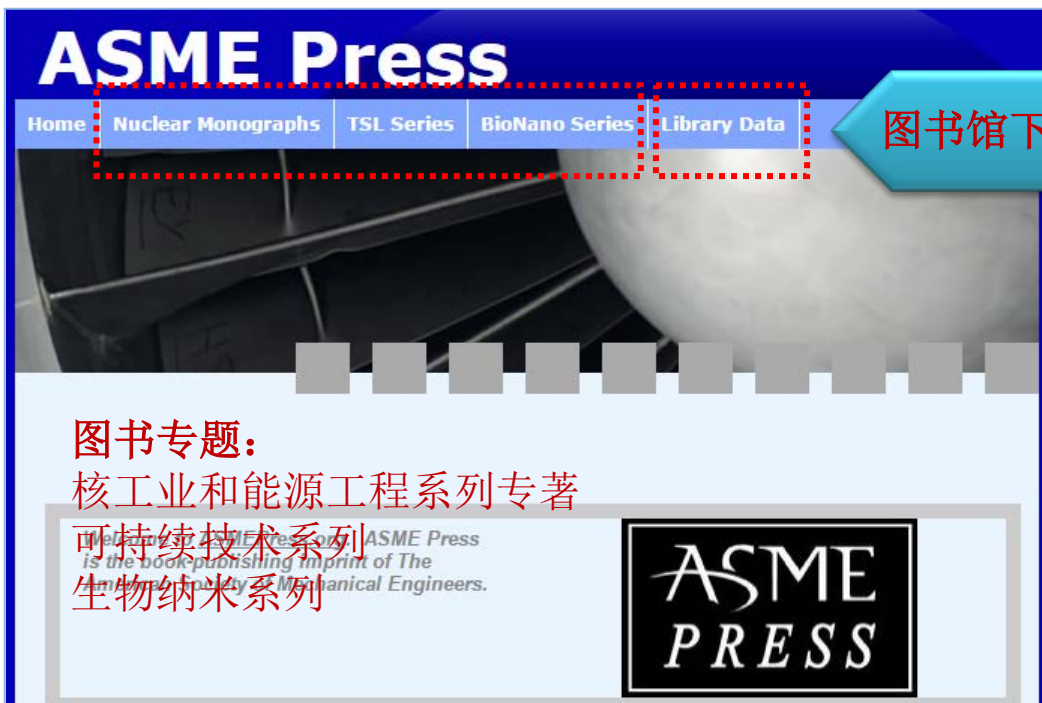
[View Fewer Dates](#)

投稿入口

C. 电子书

在ASME Press网站找到图书征稿信息。

※ 总入口: <http://www.asmepress.org/home.html>



The screenshot shows the ASME Press website homepage. The navigation menu includes: Home, Nuclear Monographs, TSL Series, BioNano Series, and Library Data. A red dashed box highlights the 'Library Data' link. Below the navigation menu, there is a large image of a turbine engine. At the bottom, there is a section titled '图书专题:' (Book Special) with the following text: '核工业和能源工程系列专著' (Specialized books in nuclear industry and energy engineering), '可持续技术系列' (Sustainable technology series), and '生物纳米系列' (Biotechnology series). The ASME Press logo is visible in the bottom right corner of the screenshot.

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<http://asmestandardscollection.org>

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Fax: 020-83274078

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1213室 (100083)

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