


iGroup



ASME（美国机械工程师学会）数据库 使用指南

提纲 CONTENTS



ASME 出版社介绍
——背景、学会、宗旨



ASME 出版物介绍
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ASME DIGITAL COLLECTION 平台说明
——浏览、检索、移动访问、投稿

ASME 学会简介



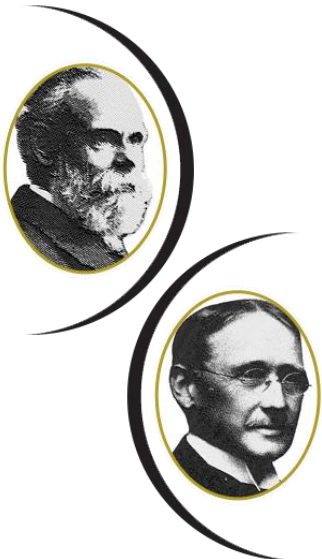
美国机械工程师学会 (American Society of Mechanical Engineers) 成立于1880年。现已成为一家拥有全球130、000名会员的国际性非赢利**教育**和**技术**组织、也是世界上最大的技术出版机构之一。

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： 约200次/年
	规范和标准： 830+

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 Journals

ASME Proceedings

ASME eBooks

ASME Standards

期 刊

会议录

电子书

标 准

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



期刊



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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：**35种**

SCI 收录：**25 种**

ESCI收录：**3种**

更新频率：**每年发行超过200期**

收录年限：**1959 年至今**

(现刊起始于2000年)

最新创刊：《**ASME 开放工程期刊**》 **2022 新刊上线!**

《**自动驾驶车辆和系统期刊**》 **NEW IN 2021**

《**ASME动态系统与控制快报**》 **NEW IN 2021**

最高影响因子：**11.345** 《**应用力学评论**》

最高引用次数：**16,911** 《**应用力学期刊**》

15,878 《**传热期刊**》

期刊

- 35种期刊，其中25本期刊（约占ASME现刊的70%）被SCI收录，另有3本期刊被ESCI收录。
- 2022年度《期刊引证报告》：18本期刊影响因子指标同比有所提高，其中10本期刊影响因子涨幅超过20%。
- 2015至2018年，先后有10本期刊提高了出版频率。
- 每篇文章都经过严格的评审流程。

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

期刊

研究主题概览

- ① 有限元法 (工程计算)
- ② 数学模型
- ③ 热传导
- ④ 计算机模拟
- ⑤ 流体动力学
- ⑥ 雷诺数 (流体形态)
- ⑦ 优化
- ⑧ 燃气涡轮
- ⑨ 摩擦
- ⑩ 机械设计

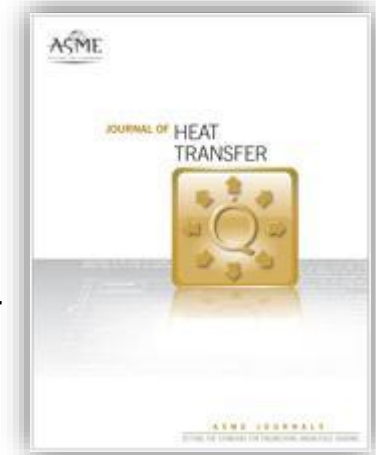


- Finite Element Method
- Mathematical Models
- Heat Transfer
- Computer Simulation
- Computational Fluid Dynamics
- Reynolds Number
- Optimization
- Gas Turbines
- Friction
- Design
- Numerical Methods
- Turbomachine Blades
- Heat Flux
- Cooling
- Deformation
- Algorithms
- Engines
- Combustion
- Stiffness
- Degrees Of Freedom Mechanics
- Navier Stokes Equations
- Geometry

经典期刊

□ 《传热期刊》 Journal of Heat Transfer

- ◆ 在SCI收录的137本机械工程类期刊中，总引用量15,878，稳居前二十
- ◆ 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)

访问网址: <https://asmedigitalcollection.asme.org/heattransfer>

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

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

- ◆ 属于Q2区期刊，收录在SCI机械工程类期刊中，总引用量排名稳步上升
- ◆ 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、
gears、 fluid、 component smart products、 life cycle、 DFX decision analysis、
design cognition、 design synthesis

访问网址：<https://asmedigitalcollection.asme.org/mechanicaldesign>



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

北京航空航天大学

卡耐基-梅隆大学

西安交通大学

普渡大学

大连理工大学

德克萨斯A&M大学

重庆大学

加州大学



经典期刊

□ 《应用力学评论》 Applied Mechanics Reviews

- ◆ 属于Q1区期刊，影响因子11.345，同比上涨56%，在SCI收录的138本力学类期刊中排名稳居前五，总引用量排名前二十。
- ◆ 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)

访问网址：

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



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



Latest Podcast



January 23, 2019

**Applied Mechanics Reviews Audio Interview:
Prof. Kenneth Liechti**

44 minutes, 53 seconds



Prof. Ken Liechti of University of Texas at Austin is an award-winning authority on the mechanics of interfaces, describing bonding, unbonding, and crack propagation using innovative experimental techniques with applications to thin film mechanics and graphene transfer. Pipe Major Emeritus of the Silver Thistle Pipes and Drums band out of..More

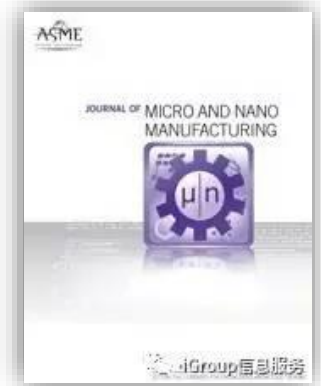
[View All Podcasts](#)

ESCI (新兴学科索引) 收录期刊

□ Journal of Micro and Nano-Manufacturing

《微纳制造期刊》

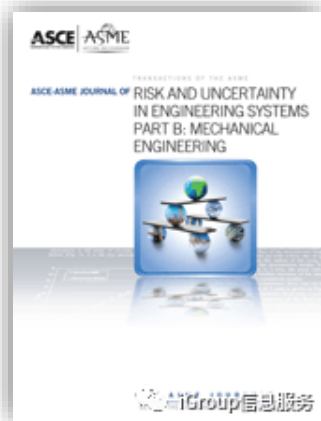
- ◆ 这本季刊主要发表微纳制造理论、生产流程、设备开发、精准度、材料利用率、产品生命周期分析等方面的研究论文和技术快报。探讨话题包括复合材料的微观力学、表面光洁度、铣削、切割、微晶、3D打印等。
- ◆ 访问网址：
<https://asmedigitalcollection.asme.org/micronanomanufacturing>



□ 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。
- ◆ 访问网址：
<https://asmedigitalcollection.asme.org/risk>



ESCI (新兴学科索引) 收录期刊

□ 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。
- ◆ 访问网址：
<https://asmedigitalcollection.asme.org/nuclearengineering>
- ◆ 投稿入口：
<https://journaltool.asme.org/home/JournalDescriptions.cfm?JournalID=28&Journal=NERS>



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

检索关键词：

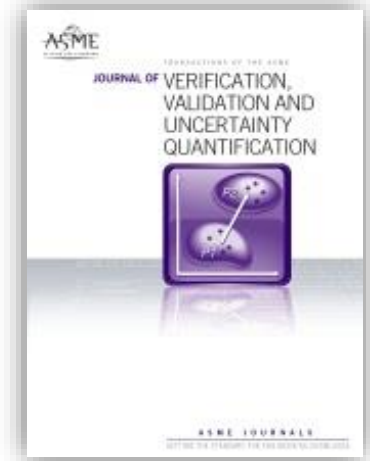
标准的校核；解决方案的验证；不确定性量化；裕度量化；模型预测；模型适当度；模型成熟度；模型逼真度；模型不确定性的敏感度分析；偶发不确定性；认知不确定性；实验的不确定性；测量的不确定性；产能预测；征状识别和排序表（PIRT）的建立；预期使用途径；模拟使用情景；监管学；比较器。

访问网址：

<https://asmedigitalcollection.asme.org/verification>

投稿入口：

<https://journaltool.asme.org/home/JournalDescriptions.cfm?JournalID=29&Journal=VVUQ>



2016年期刊

- 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》
- 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年期刊

投稿入口:

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

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

□ 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:

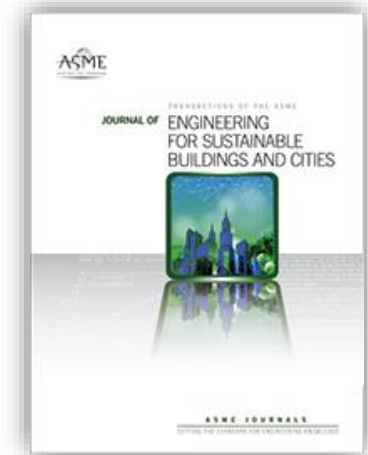
关注城市可持续发展工程领域、涉及集成创新技术、相关建筑构件和能源设备、建筑能源建模工具、高效组合与电力、经济高效的建筑专用储能系统、以及建筑物内操作机械能系统的先进的优化控制和策略等。

访问网址:

<https://asmedigitalcollection.asme.org/sustainablebuildings>

投稿入口:

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



2020年新刊

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

本刊的重点是自动驾驶车辆的系统建模、仿真和设计。

应用领域：

人工智能和机器学习应用于自动驾驶汽车；人工智能模仿人类智能进行自我操作、共享心智和协作的多物理环境模型；用于自主操作、规划、全球定位、导航和定位、决策、控制和观察的智能感知和认知架构；建模、仿真和设计自动驾驶汽车系统、以实现不同级别的自动驾驶；Vehicle-to-X 交互；操作员与车辆的交互；主动有效载荷模型；自主车辆模拟和设计中的输入/输出和环境模型；包括但不限于货物运输、建筑和林业、农业、科学研究、调查地下空气和水、其他行星的勘探、基础设施检测、监视和军事等。

访问网址：

<https://asmedigitalcollection.asme.org/autonomousvehicles>

投稿入口：

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



2021年新刊

□ ASME Letters in Dynamic Systems and Control 《ASME 动态系统与控制快报》

本刊提供来自动力学和控制领域的高质量、前沿的一些理论或应用课题，并将发表动态系统和控制研究领域的最新技术，重点关注动态系统和控制领域相关主题。

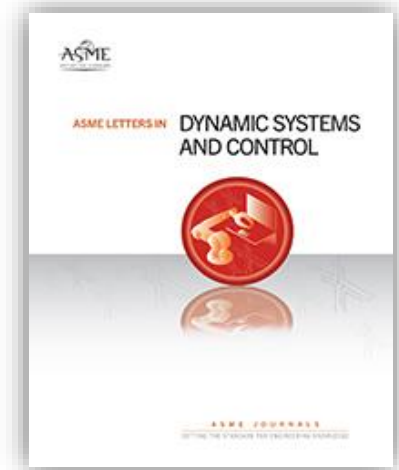
应用领域：汽车系统、生物医学工程、动力系统与控制、能源、环境工程、内燃机、制造与加工、纳米技术、噪声控制与声学、海洋、近海与北极工程、可再生能源、机器人与机电一体化、交通运输。

访问网址：

<https://asmedigitalcollection.asme.org/lettersdysys>

投稿入口：

<https://journaltool.asme.org/home/JournalDescriptions.cfm?JournalID=35&Journal=ALDSC>



2021年新刊

□ ASME Open Journal of Engineering 《ASME 开放工程期刊》

本刊是一本快速周转、多学科、开放获取且经过严格同行评审的出版物，它扩展了ASME期刊计划，以在所有ASME技术社区的广泛范围内提供原创研究。

- ✓ 高影响力的创新文章，扩大了ASME传统期刊的范围，包括新领域或新兴领域交叉或多学科研究。
- ✓ 与机械工程及相关学科相关的理论或应用主题的原创性研究成果。
- ✓ 全新或改进的工程方法和解决方案。
- ✓ 遵守要求完全开放获取的资助者要求。

应用领域：先进能源系统、航空航天、应用力学、生物工程、计算机与工程信息、设计工程、动态系统与控制、电子与光子封装、能源与发电、工程教育、环境工程、流体动力系统、流体工程、气体涡轮机、传热、内燃机管理、制造、材料、物料搬运、微机电、纳米技术、噪声控制和声学、无损评估、核工程、海洋、近海和北极工程、管道系统、工厂工程和维护、压力容器和管道、流程工业、轨道交通、机器人和自动化、安全和风险分析、太阳能、固体废物处理、可持续工程、摩擦学等。

访问网址：

<https://asmedigitalcollection.asme.org/openengineering>

投稿入口：

<https://journaltool.asme.org/home/JournalDescriptions.cfm?JournalID=38&Journal=AOJE>



2022年新刊

会议录

- 每年举办约40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
- 会议系列超60种
- 超过 1,800卷，约16万篇会议文章
- 绝大部分内容被EI和SCI收录，其中EI收录超120,000篇

2000至今 ASME Proceedings

会议录浏览结构

系列名称 (如IMECE)

年份 (如2021)

卷 (如Advanced Manufacturing)

期 (如Increased Strength of 3D Printed Parts With Z-Pin Approach)

文章 (PDF格式)

文献会议来源示例

GT 涡轮博览会

HT 传热会议

IMECE 国际机械工程大会和博览

JRC ASME/IEEE联合轨道大会

SMASIS 智慧材料、自适应结构和智能系统会议

OMAE 国际近海土壤力学和极地工程会议

PVP ASME压力容器和管线会议

ICONE 国际核工程会议

MSEC 国际制造科学和工程会议

IDETC/CIE 国际设计工程技术暨工程中的计算机和信息学会议

知名会议



Turbo Expo: Power for Land, Sea, and Air (GT) 涡轮博览会
(数据库收录2000年至今的会议录、而1956-1999年的会议录文章均已开放访问)

会议录涉及主题:

航天器引擎和风机、涡轮机械、微型涡轮、涡轮增压器和小型涡轮机械、结构和动力学、制造的材料和冶金、控制、诊断和仪器化、燃烧、燃料和排放、煤、生物质和新型燃料、电能、传热、油气应用、风能等。



Smart Materials, Adaptive Structures and Intelligent Systems (SMASIS)
智慧材料、自适应结构和智能系统会议
(数据库收录2008年至今的会议录)

会议录涉及主题:

多功能材料、放射性材料的力学和特性、集成系统的设计和使用、结构健康性监测、建模、模拟和控制、仿生智慧材料和系统、能量收集等。

知名会议



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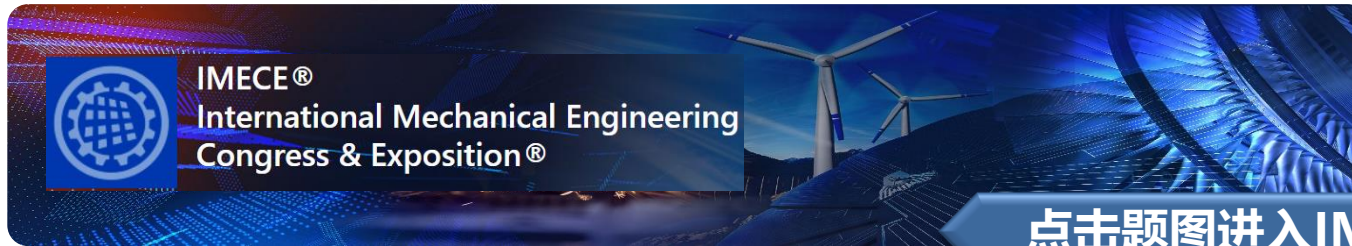
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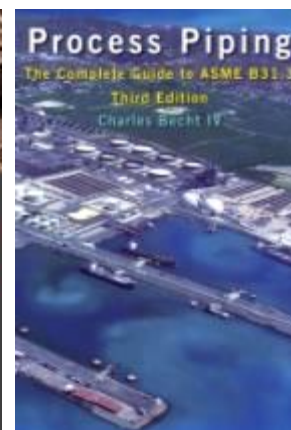
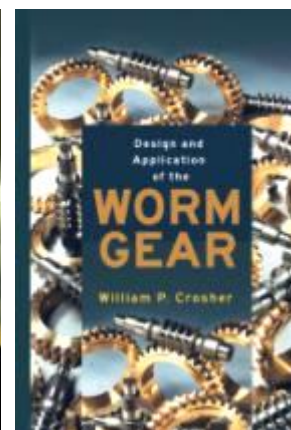
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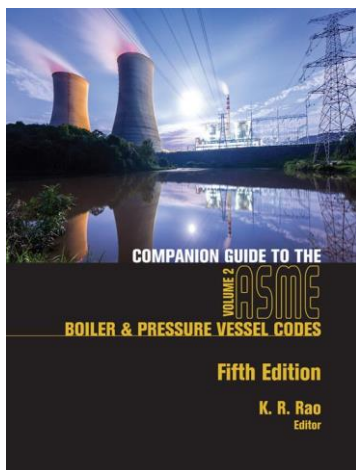


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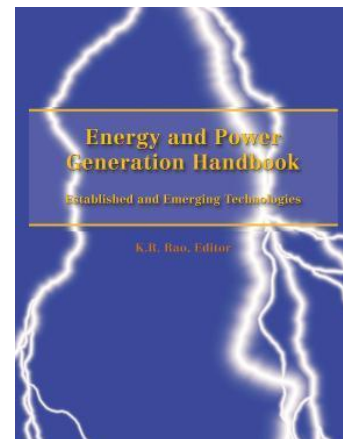


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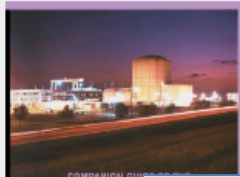
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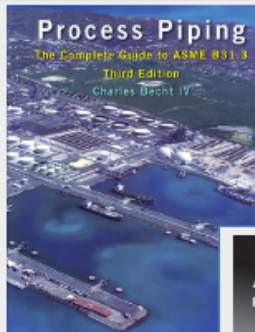


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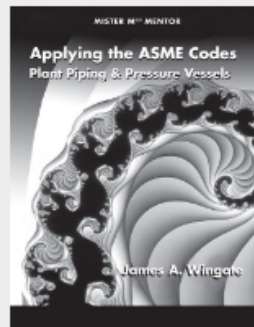
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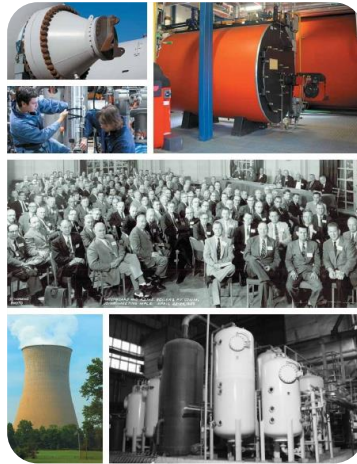
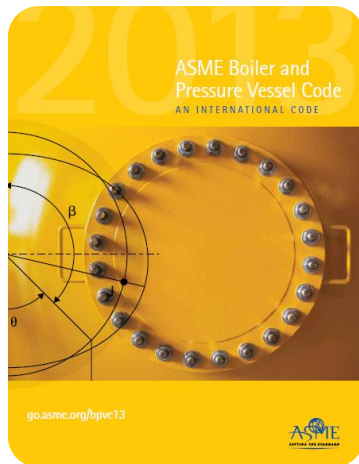
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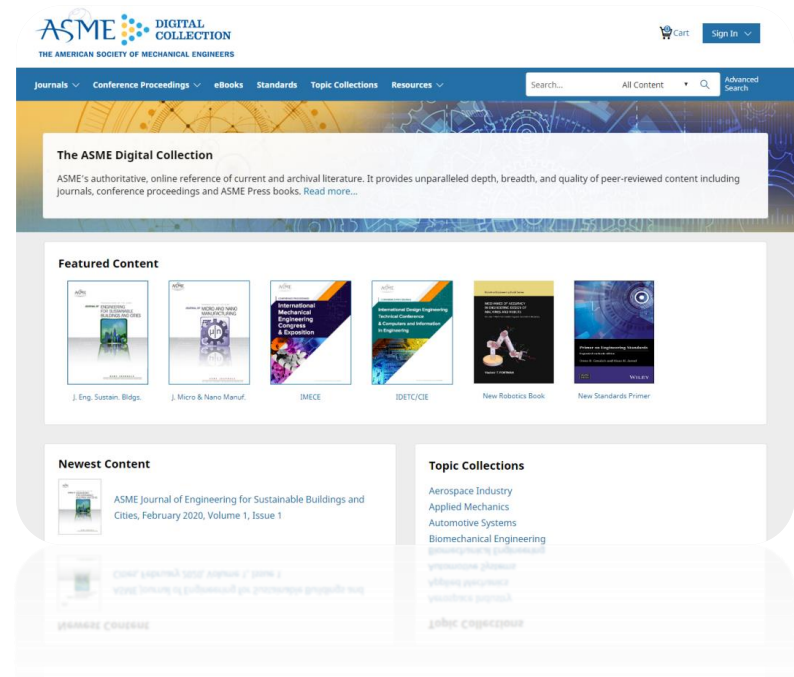
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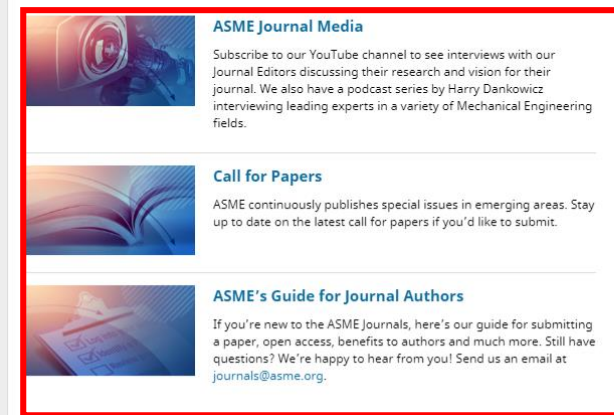
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Sensors, Heat conduction, Inverse problem

Introduction

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

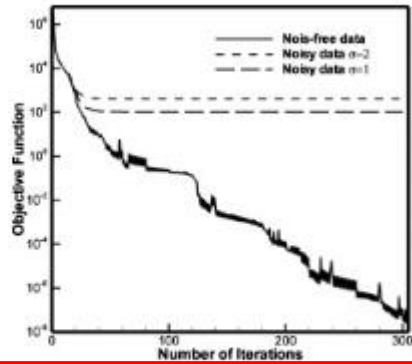
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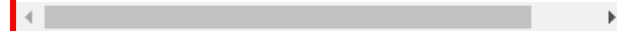
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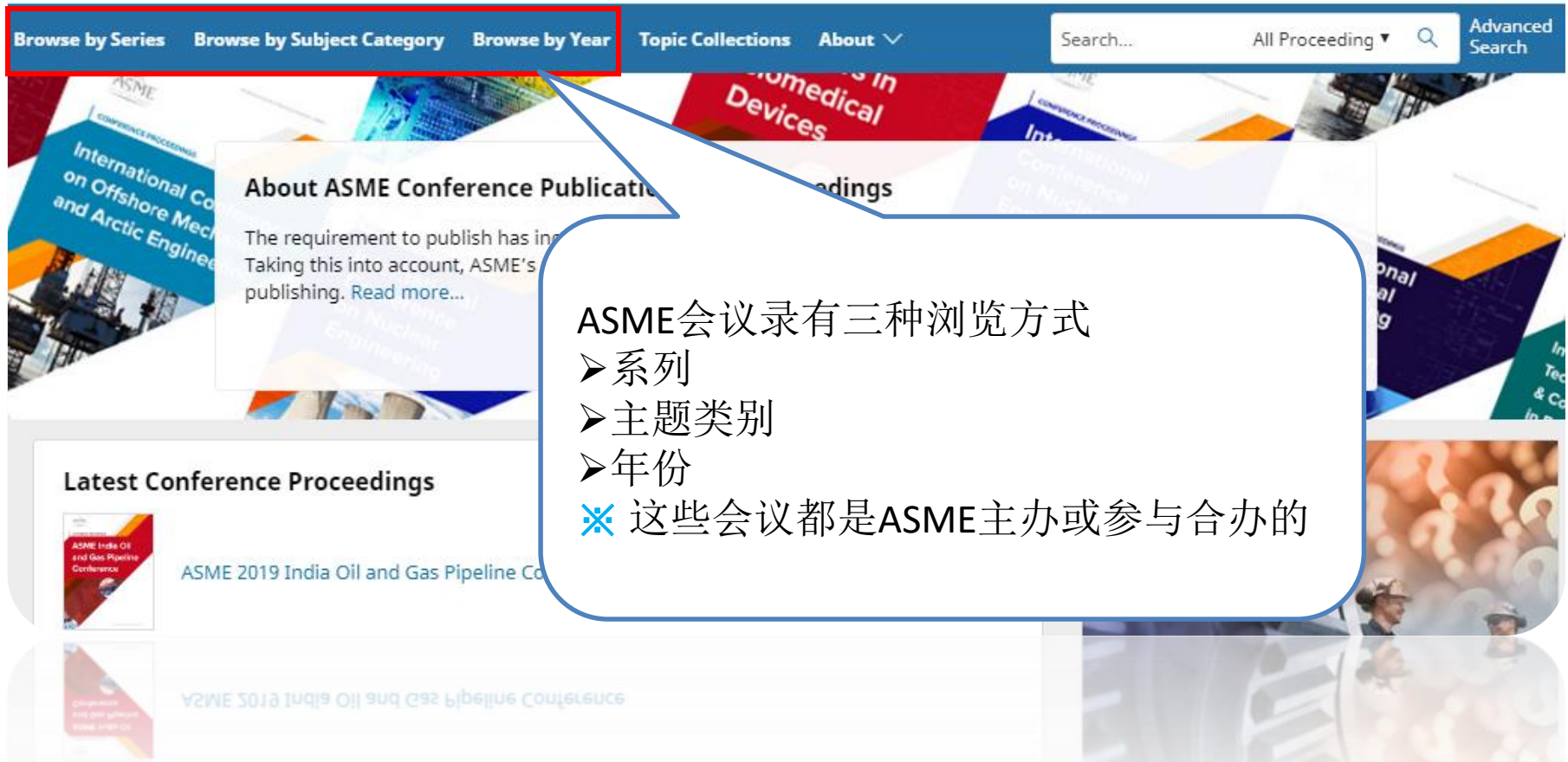
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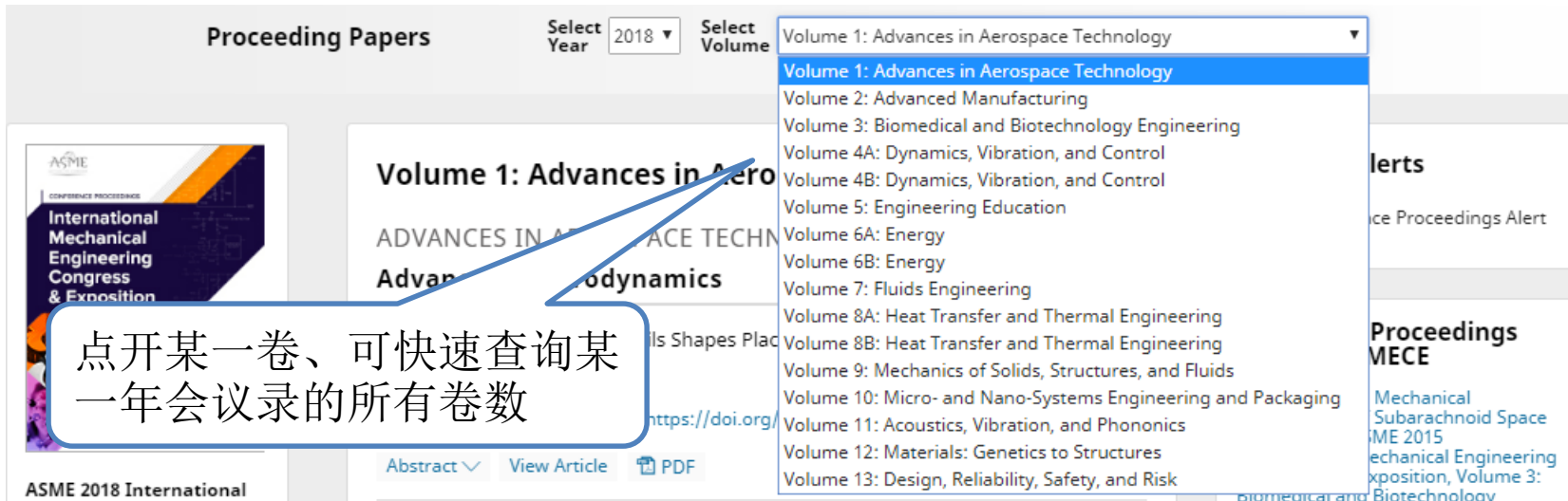
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November 9-15, 2018
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Advances in Aerodynamics

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>

[Abstract](#)  [View Article](#) [PDF](#) 

Investigations on Unsteady Flow Excitation and Mechanical Performance of Last
Turbine Stage Long Blade Using Fluid-Structure Interaction Method 

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

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PROCEEDINGS PAPER

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

Victorita Radulescu



— [Author Information](#)

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 for supersonic profiles and the other two deduced by them.

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Numerical Study of Wing

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- 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
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- Nuclear Engineering 核工程
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Volume Title

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

— ASME 2018 Dynamic Systems and Control Conference (DSCC2018)

Volume Title

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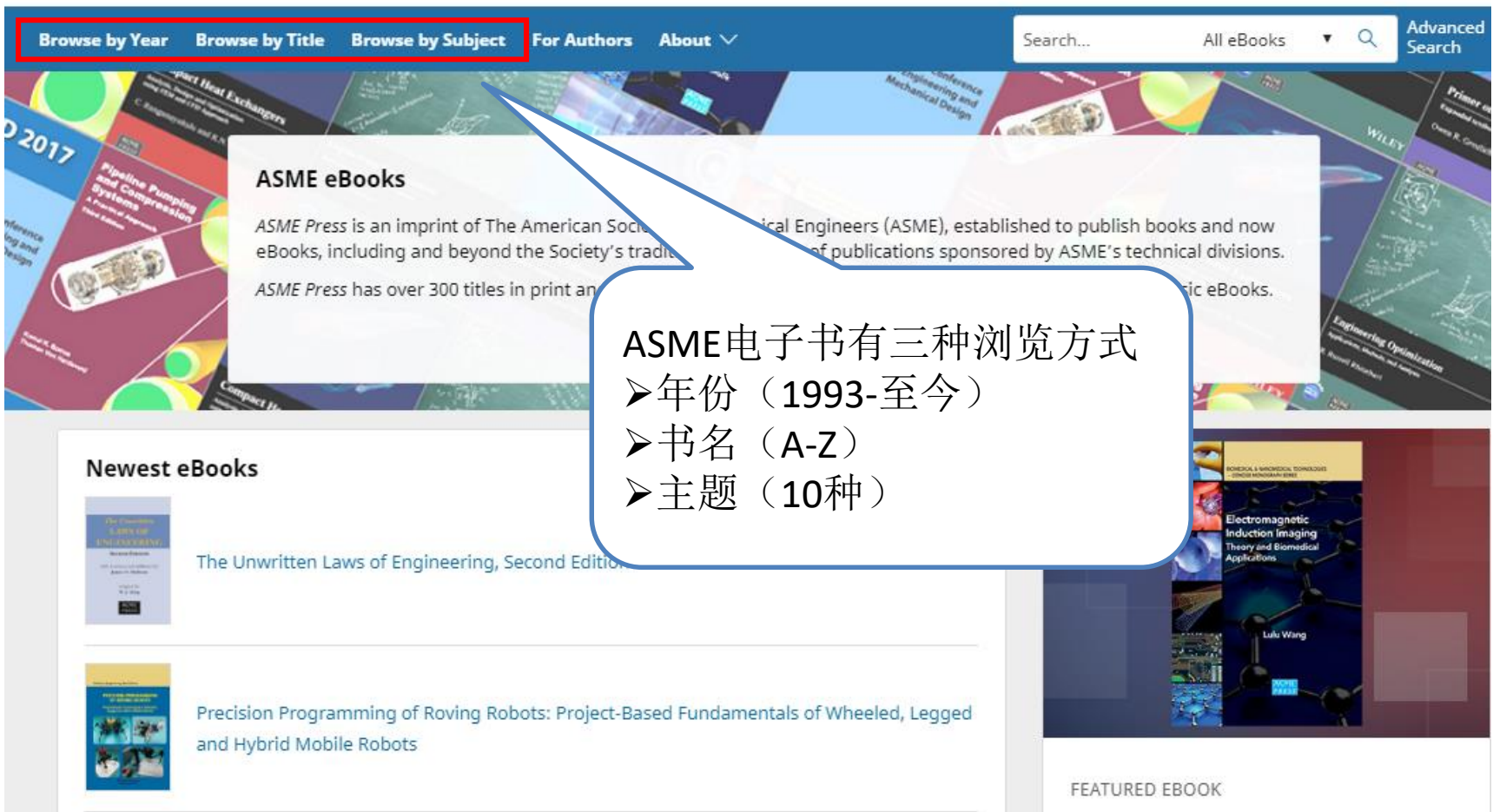
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按年份浏览、每种会议的卷数分开排列

C. 电子书

eBooks



The screenshot shows the ASME eBooks website. At the top, there is a navigation bar with the following options: **Browse by Year**, **Browse by Title**, **Browse by Subject** (highlighted with a red box), **For Authors**, and **About** with a dropdown arrow. To the right of the navigation bar is a search bar with the text "Search..." and a magnifying glass icon, and a dropdown menu labeled "All eBooks". Further right is an "Advanced Search" link. Below the navigation bar is a large banner area with a collage of book covers. A white callout box with a blue border points to the "Browse by Subject" option and contains the following text:

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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 print publications sponsored by ASME's technical divisions. ASME Press has over 300 titles in print and growing number of new titles in eBooks.

ASME电子书有三种浏览方式

- 年份 (1993-至今)
- 书名 (A-Z)
- 主题 (10种)

Below the banner, there is a "Newest eBooks" section. It features two book covers with their titles: "The Unwritten Laws of Engineering, Second Edition" and "Precision Programming of Roving Robots: Project-Based Fundamentals of Wheeled, Legged and Hybrid Mobile Robots". To the right, there is a "FEATURED EBOOK" section with a book cover titled "Electromagnetic Induction Imaging Theory and Biomedical Applications" by Lulu Wang.

eBooks Subjects

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[Design & Manufacturing](#)

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[Heat Transfer and Electronic Packaging](#)

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[Risk and Remediation](#)

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按主题浏览：

Design and Manufacturing 设计与制造

Emerging Technologies 新兴技术

Energy and power 能源与电力

Engineering Management 工程管理

Heat Transfer & Electronic Packaging 热传导和电子封装

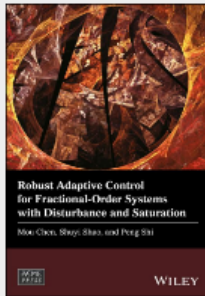
Pipeline Engineering 管线工程

Pressure vessel and pipeline 压力容器和管道安设

Risk and Remediation 风险和补救

Robotics 机器人学

Tribology 摩擦学



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

点击作者名字、可查看他在ASME或其他出版物上发表的文章

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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Table of Contents

[Front Matter](#) 

DOI: https://doi.org/10.1115/1.861RAC_fm

[Abstract](#)  [View Chapter](#) 

1 Introduction 

DOI: https://doi.org/10.1115/1.861RAC_ch1

[Abstract](#)  [View Chapter](#) 

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 on the right. The left sidebar has an 'Update Search' section with a search input, a 'Filter' dropdown, and 'Add term' and 'Update' buttons. Below this is a 'Journal citation' section with a 'Format' list: 'Journal Articles (3690)', 'eBook Chapter (192)', and 'Proceedings Papers (10242)'. The 'Subjects' section includes 'Design & Manufacturing (19)'. The main content area shows '1-20 of 14124' results for 'Aerospace Industry'. A 'Save search' button and a 'Sort by Date - Newest First' dropdown are visible. A list of 'JOURNAL ARTICLES' is shown, with the first article titled 'Living the Dream' and a lock icon. Below the title, it shows 'Journal: ...', 'Article Type: ...', 'Paper No: ME-2019-A...', 'DOI: https://doi.org/...', and 'Published Online: Au...'. At the bottom of the article entry 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
Journal: ...
Article Type: ...
Paper No: ME-2019-A...
DOI: https://doi.org/...
Published Online: Au...

Abstract View Article PDF

JOURNAL ARTICLES

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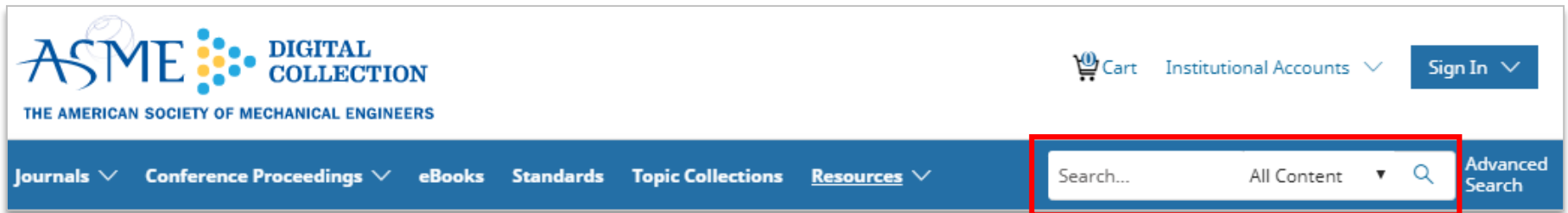
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33个主题

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



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例如、检索material simulation*

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Journal citation

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- eBook (20)
- eBook Chapter (134)
- Proceedings Papers (15973)
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- Emerging Technologies (93)

1-20 of 21972 Search Results for
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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:

Abstract

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Abstract

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PROCEE

...

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

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... High ...
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Feynman
...
gated by integrating electron density calculations using quantum
ling framework. Electrostatic stresses based on the Hellmann-



The image shows a search interface with several filter panels on the left and a results panel on the right. Red arrows indicate the flow from the filter panels to the results panel. A blue callout box points to the 'Structures and Dynamics' filter.

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)

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eBook Series

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- BioNano Monographs (1)

Article Type

Conference Series

- ASME International Mechanical Engineering Congress and Exposition (3458)
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- International Design Engineering Technical Conferences and Computers and Information in Engineering Conference (1545)
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- Structures and Dynamics (225)

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C. 高级检索

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Paper No

Design & Manufacturing (807)

1-20 of 755317

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Sort by Relevancy

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JOURNAL

venue for dissemination of ics and engineering science, nd vibration.

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.

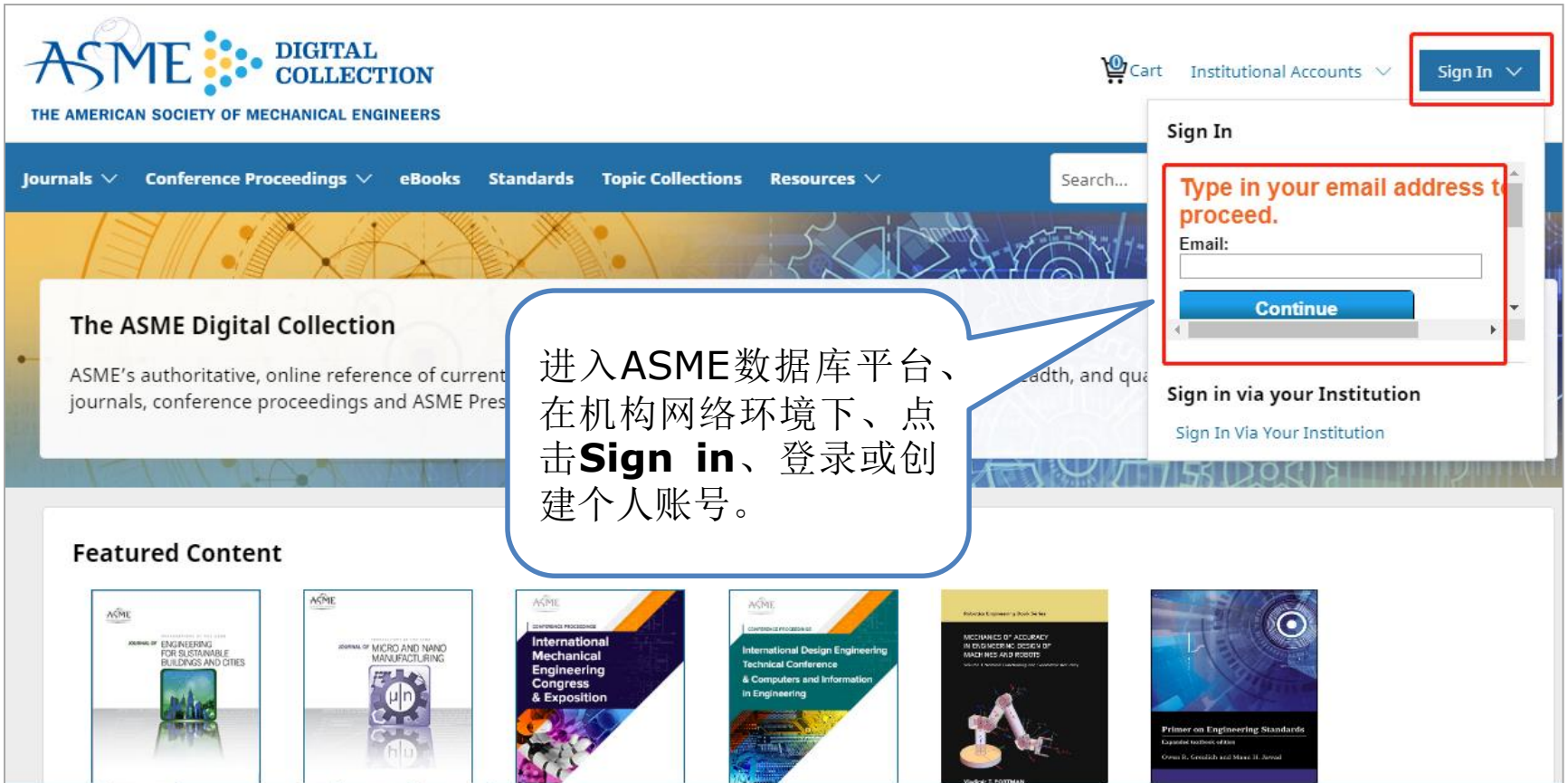
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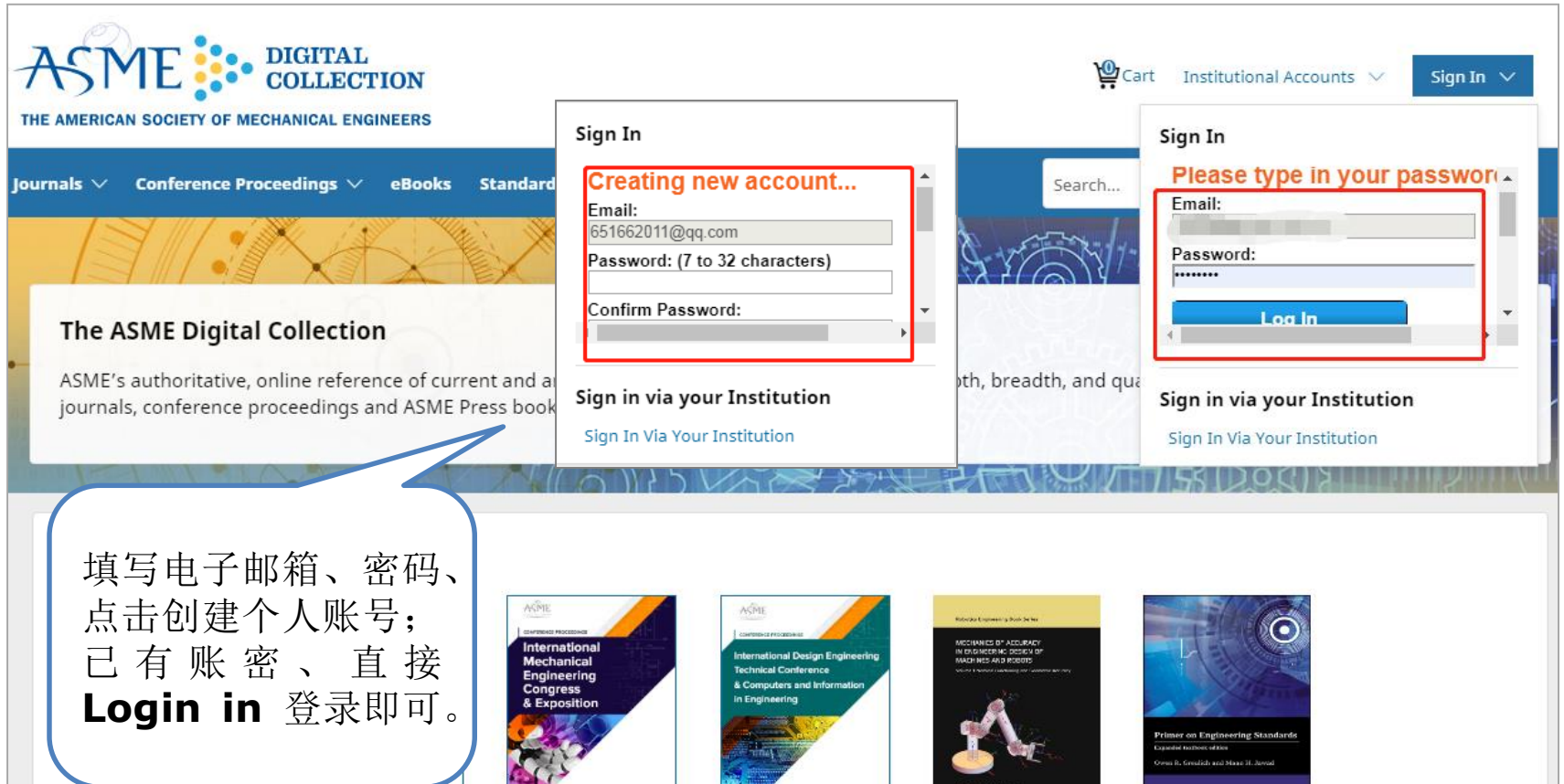
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- Journal of Micro and Nano Manufacturing
- International Mechanical Engineering Congress & Exposition
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2



The screenshot displays the ASME Digital Collection website interface. At the top left is the ASME logo and the text "DIGITAL COLLECTION THE AMERICAN SOCIETY OF MECHANICAL ENGINEERS". Navigation links for "Journals", "Conference Proceedings", "eBooks", and "Standard" are visible. On the right, there are links for "Cart", "Institutional Accounts", and "Sign In".

Two "Sign In" modal windows are overlaid on the page. The left window is titled "Creating new account..." and contains fields for "Email:" (with the value "651662011@qq.com"), "Password: (7 to 32 characters)", and "Confirm Password:". The right window is titled "Please type in your password" and contains fields for "Email:" and "Password:", along with a "Log In" button.

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At the bottom of the page, there are four book covers displayed: "International Mechanical Engineering Congress & Exposition", "International Design Engineering Technical Conference & Computers and Information in Engineering", "MECHANICS OF ACCURACY IN ENGINEERING SOCIETY OF MACHINES AND ROBOTS", and "Primer on Engineering Standards".



3

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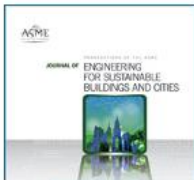


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E. 投稿



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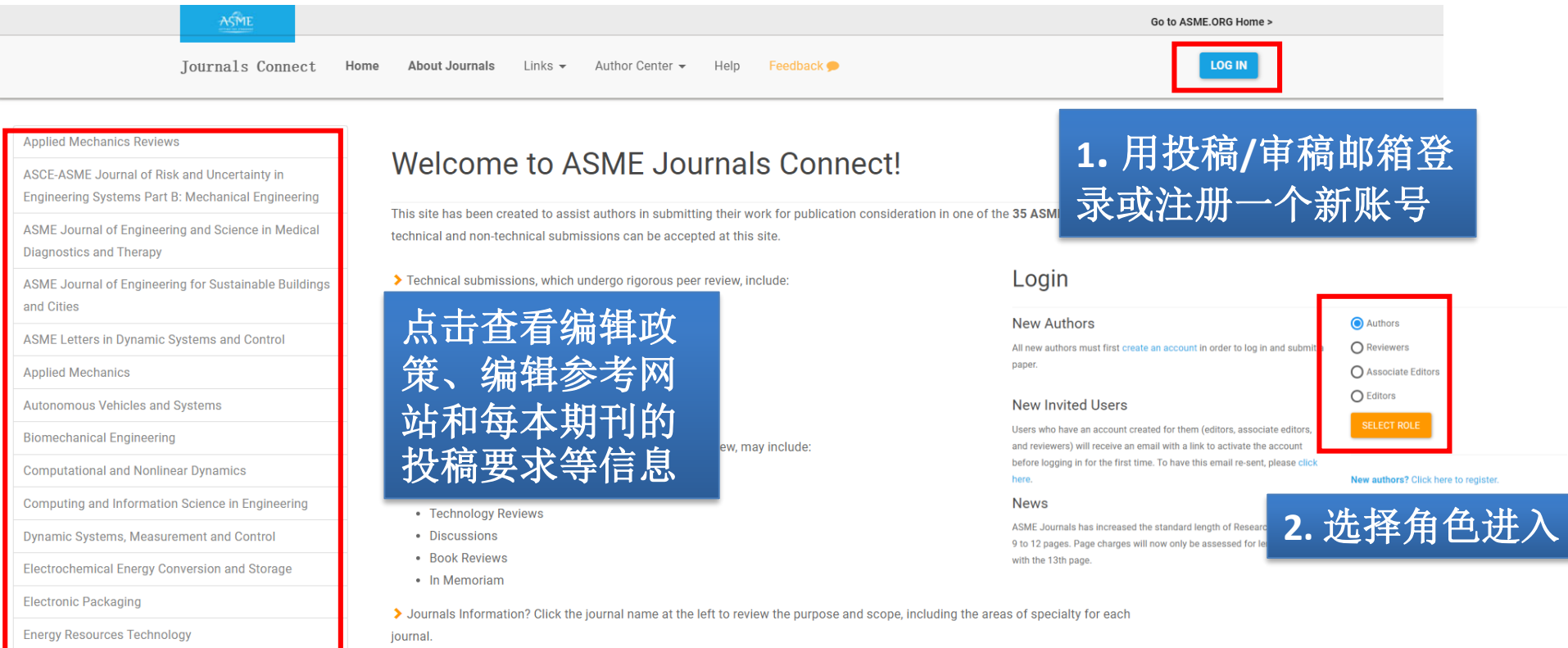


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The screenshot shows the ASME Journals Connect website. At the top, there is a navigation bar with the ASME logo, "Go to ASME.ORG Home >", and a "LOG IN" button highlighted with a red box. Below the navigation bar, there is a list of journals on the left, a main content area with a "Welcome to ASME Journals Connect!" message, and a "Login" section on the right. A blue box with white text is overlaid on the right side of the page, containing two numbered steps: "1. 用投稿/审稿邮箱登录或注册一个新账号" and "2. 选择角色进入". A red box highlights the "LOG IN" button and the "SELECT ROLE" button in the login section. Another blue box with white text is overlaid on the left side of the page, containing the text "点击查看编辑政策、编辑参考网站和每本期刊的投稿要求等信息".

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ASCE-ASME Journal of Risk and Uncertainty in Engineering Systems Part B: Mechanical Engineering
ASME Journal of Engineering and Science in Medical Diagnostics and Therapy
ASME Journal of Engineering for Sustainable Buildings and Cities
ASME Letters in Dynamic Systems and Control
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Autonomous Vehicles and Systems
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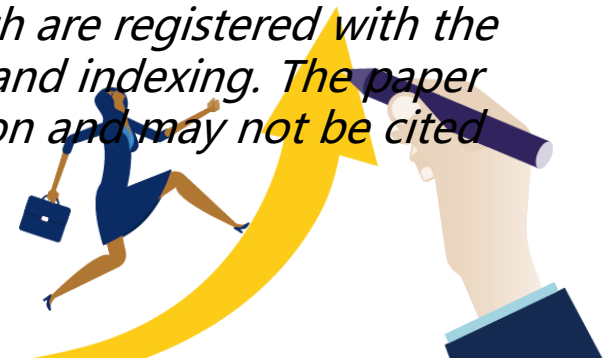
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Rockville, MD, USA

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**2020 14TH
ASME/NRC OM CODE
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TBD, TBD
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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

development and research in the pro- service testing is essential in ensuring th is rapidly changing. The symposium will best practices and the ASME OM Code.

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IMPORTANT DATES

Submission of Full-Length Paper for Review
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Author Notification of Acceptance of Revised Full-Length Paper
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