

iGroup



**AIAA (美国航空航天学会) 数据库
使用指南**

提纲CONTENTS

- 1** AIAA 出版社介绍
——背景、学会、出版物简介
- 2** AIAA 数据库使用说明
——ARC平台介绍、期刊、会议录、电子书、标准浏览
- 3** AIAA 其它信息
——行业动态、宇航科学职业发展、职位申请等

AIAA 美国航空航天学会

American Institute of Aeronautics and Astronautics

- 1963年由 **美国火箭学会** 和 **美国宇航科学学会** 合并而成。
- 致力于航空、航天、国防领域的科技发展，是全球最大的非政府、非赢利的专业学会。
- AIAA在国际标准组织(ISO)中担任太空系统运营署(TC20-SC14)，同时是美国国家标准所认定机构。



AIAA 出版物

- AIAA出版物被公认为是早期航空航天文献的重要资源之一，文献最早可回溯至20世纪初。
- 在线数据库回溯到1963年，汇集50多年的出版物资源。
- 出版物包括：期刊、会议论文、杂志、系列图书、美国和国际标准。



AIAA 期刊总览

8 种同行评审 (peer-reviewed) 期刊, 其中7种被SCI收录, 可回溯至1963年。

- AIAA Journal
- Journal of Aircraft
- Journal of Guidance, Control, and Dynamics
- Journal of Propulsion and Power
- Journal of Spacecraft and Rockets
- Journal of Thermophysics and Heat Transfer
- Journal of Aerospace Information Systems
- Journal of Air Transportation
- Journal of Energy (停刊)
- Journal of Hydronautics (停刊)

AIAA 期刊介绍

- AIAA Journal 《美国航空航天学会志》
 - AIAA出版社的旗舰刊，涉及航空航天领域多个学科的最新理论研究进展、实践应用情况
 - 月刊，**总引用量27,144，持续二十年在宇航工程学科排名第一，影响因子2.624**（JCR 2021）
- Journal of Guidance, Control and Dynamic
《制导、控制和动力学期刊》
 - 介绍新一代高性能无人驾驶以及人工驾驶空间飞行器的研究成果以及工程应用状况。
 - 月刊，**总引用量12,003，宇航工程学科排名第六，影响因子2.486**（JCR 2021）



- Journal of Aircraft 《飞行器期刊》

- 重点报道飞机技术的发展的各个领域，包括飞机系统设计与优化、制造、飞行力学、飞行与地面测试、后勤保障与供给、飞机可靠性与维护、飞行安全、天气与噪音控制、人为因素、机场设计、航线运行、计算机在飞机技术中的应用等

- 双月刊，总引用量8,027，宇航工程学科排名第六，影响因子1.919 (JCR 2021)



- Journal of Propulsion and Power 《推进与动力期刊》

- 介绍航空航天动力技术，包括液体推进、固体推进技术的最新技术进展与动态

- 双月刊，总引用量7,804，宇航工程学科排名第八，影响因子2.005 (JCR 2021)



- Journal of Spacecraft and Rockets

《航天器与火箭期刊》

- 报道飞船、火箭（战略战术）技术的最新进展，含附属系统、应用、任务、环境影响及空间科学
- 双月刊，影响因子1.808（JCR 2021）



- Journal of Thermophysics and Heat Transfer

《热物理学与热传导期刊》

- 关注热物理与热传导，探讨气态、液态、固态热能的传递与储存技术发展
- 季刊，影响因子1.624（JCR 2021）



AIAA 期刊品质

Subject: ENGINEERING, AEROSPACE

总期刊数量: 34

数据来源: JCR 2021

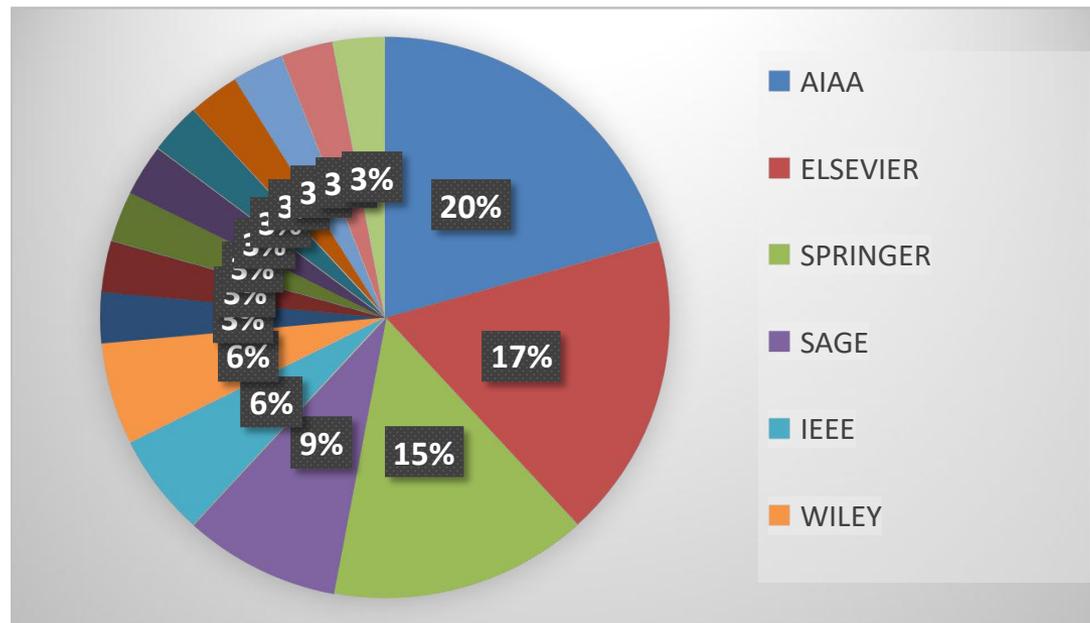
- 总引用量排名前列的期刊中, AIAA占据5席。
- 这5份期刊引用量总计60,156次, 宇航工程学科所有期刊的引用量总计164,457次, AIAA期刊占比约37%

期刊名称	总引用量排名	总引用量	影响因子	五年影响因子
<u>AIAA JOURNAL</u> 《美国航空航天学会志》	1	27,144	2.624	2.767
<u>J GUID CONTROL DYNAM</u> 《制导、控制和动力学期刊》	6	12,003	2.486	2.809
<u>J AIRCRAFT</u> 《飞行器期刊》	7	8,027	1.919	1.909
<u>J PROPUL POWER</u> 《推进与动力期刊》	8	7,804	2.005	2.279
<u>J SPACECRAFT ROCKETS</u> 《航天器与火箭期刊》	11	5,178	1.808	1.805

* Journal of Thermophysics and Heat Transfer 被分在热力学THERMODYNAMICS学科类别

宇航工程核心期刊源分布

宇航工程 (ENGINEERING, AEROSPACE) 学科共收录期刊34种，其中AIAA是最大的期刊源，被收录6种，约占18%。排其之后的依次是Elsevier、Springer和SAGE。



AIAA 早期文献

IAS（宇航科学学会）、ARS（美国火箭学会）为AIAA前身研究机构，共出版7种期刊，其回溯数据收录范围：1930-1962年，与AIAA数据库使用同一平台，即ARC（Aerospace Research Central）一站式访问。

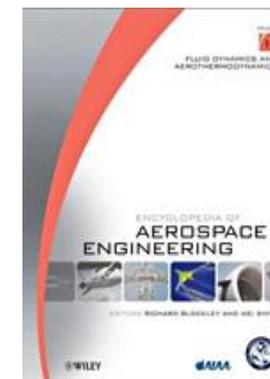
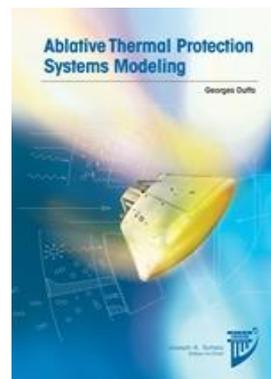
期刊名称	收录年限
ARS Journal	1959-1962
Journal of the Aeronautical Sciences	1934-1957
Journal of the Aerospace Sciences	1958-1962
Bulletin of the American Interplanetary Society	1930-1932
Journal of the American Rocket Society	1954-1958
Journal of Jet Propulsion	1942-1960
Astronautics	1933-1944

AIAA 会议录总览

- 内容涵盖：
 - 一般航空航天重点科技领域，如空气动力学、燃烧与推进、结构力学与材料、导航与控制等，
 - 专业领域，如热物理学、激光与等离子动力学、先进测量技术与地面测试、飞行动力与航天动力学等。
- AIAA会议录包含40多个类别，1,200多卷，且在不断增加。
- AIAA每年出版来自4-5种大类会议的约6,000篇会议论文。
- 会议录数据库回溯到1963年。

AIAA 电子书总览

- 航空航天领域全球最大的专业电子书库
- 收录了上世纪六十年代以来AIAA出版社所有书籍，含现已难购得的绝版图书
- 共345种，可回溯至1960年
- 分3个系列，涉及7大领域



电子图书 三个系列

- **Progress in Aeronautics and Astronautics, 前沿系列, 229种**
---- 关注于航空航天科学、工程、技术领域某个特定研究主题的最新研究成果。
- **Education Series, 教育系列, 45种**
---- 讨论基论和概念, 可作为学科指南, 用于本科和研究生水平的教学, 以及专业人员了解新领域的基本阅读。
- **Library of Flight, 飞行文库系列, 71种**
---- 主题涵盖: 航空航天发展史和经济学, 飞行器和空间项目的设计、研发和管理。包括工具书、案例研究及一般图书。



Progress in
Astronautics
and Aeronautics



电子图书 七大领域

Aircraft Design

飞行器设计

Spacecraft Design

太空船设计

Aerospace Sciences

航空航天科学

Structures and Materials

结构与材料

Propulsion and Power

推进与动力

Management and History

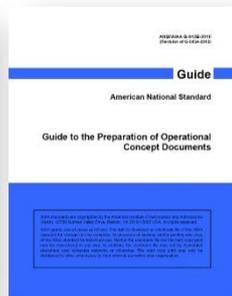
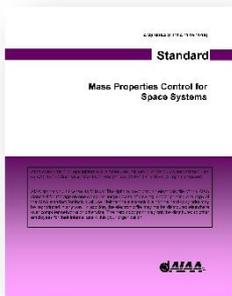
管理与航空航天史

Guidance, Navigation and Control

制导导航与控制

AIAA 标准总览

- AIAA标准委员会由**国际标准执行委员会**监督，并获得**美国国家标准协会的认证**，为促进制定新的航空航天标准、更新现行标准和确定标准化工作的总体方向，提供了权威的指导作用。
- AIAA标准是航空航天专业人员和学生了解该行业的必备资源，提供了专业领域的最佳实践方法、操作规范、特定项目的流程建议，致力于管理行业标准，支持航空航天行业效率和生产力的持续提高。除了研究和开发航空航天标准，**AIAA还管理着国际标准化组织 (ISO) 的两个空间小组委员会。**
- AIAA标准目前包含80多份专业标准文献，领域主要涉及：**航空飞行、建模仿真和测试、空间系统和飞行器三大方向。**



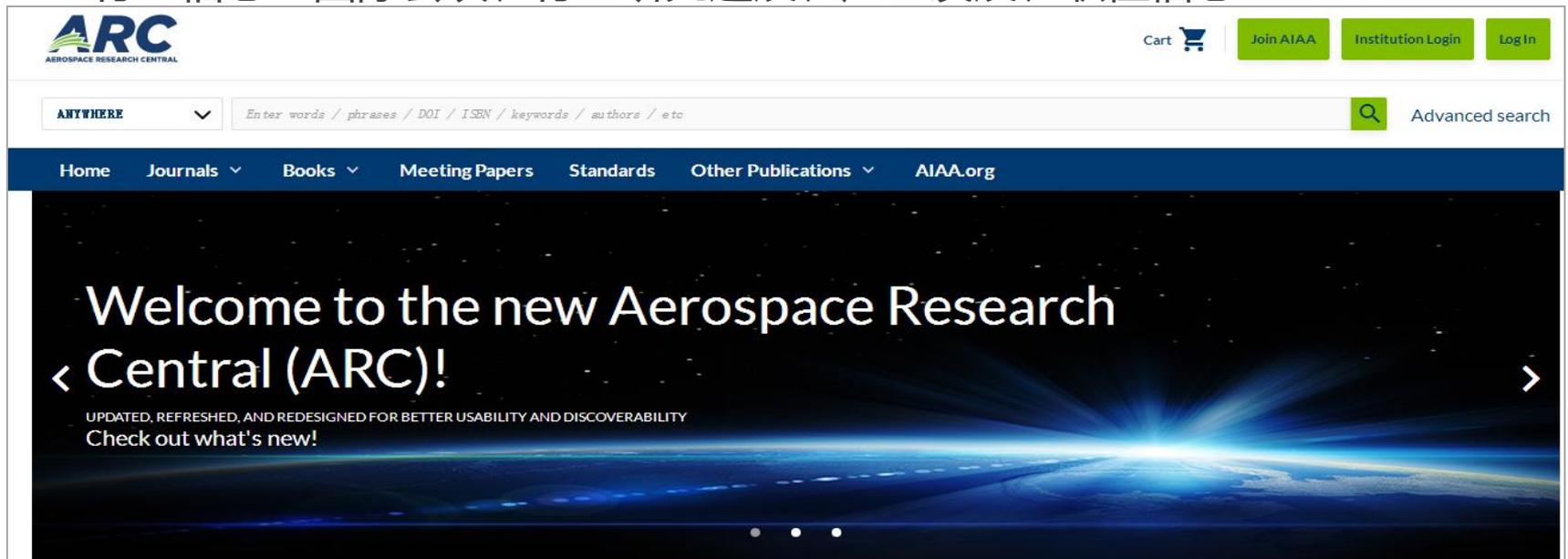
提纲CONTENTS

- 1** AIAA 出版社介绍
——背景、学会、出版物简介
- 2** AIAA 数据库使用说明
——ARC平台介绍、期刊、会议录、电子书、标准浏览
- 3** AIAA 其它信息
——行业动态、宇航科学职业发展、职位申请等

ARC 平台简介

AIAA数据库通过ARC平台提供访问（由Atypon公司Literatum平台托管）

- 一站式访问：期刊、电子书、会议录、回溯数据等所有信息...
- 个性化功能：文献标记、检索保存、引文下载、引用跟踪、邮件推送...
- 行业信息：国际会议、行业研究进展、产业发展、职位信息...



ARC
AEROSPACE RESEARCH CENTRAL

Cart  [Join AIAA](#) [Institution Login](#) [Log In](#)

ANYWHERE  [Advanced search](#)

Home Journals Books Meeting Papers Standards Other Publications AIAA.org

Welcome to the new Aerospace Research Central (ARC)!

UPDATED, REFRESHED, AND REDESIGNED FOR BETTER USABILITY AND DISCOVERABILITY
Check out what's new!

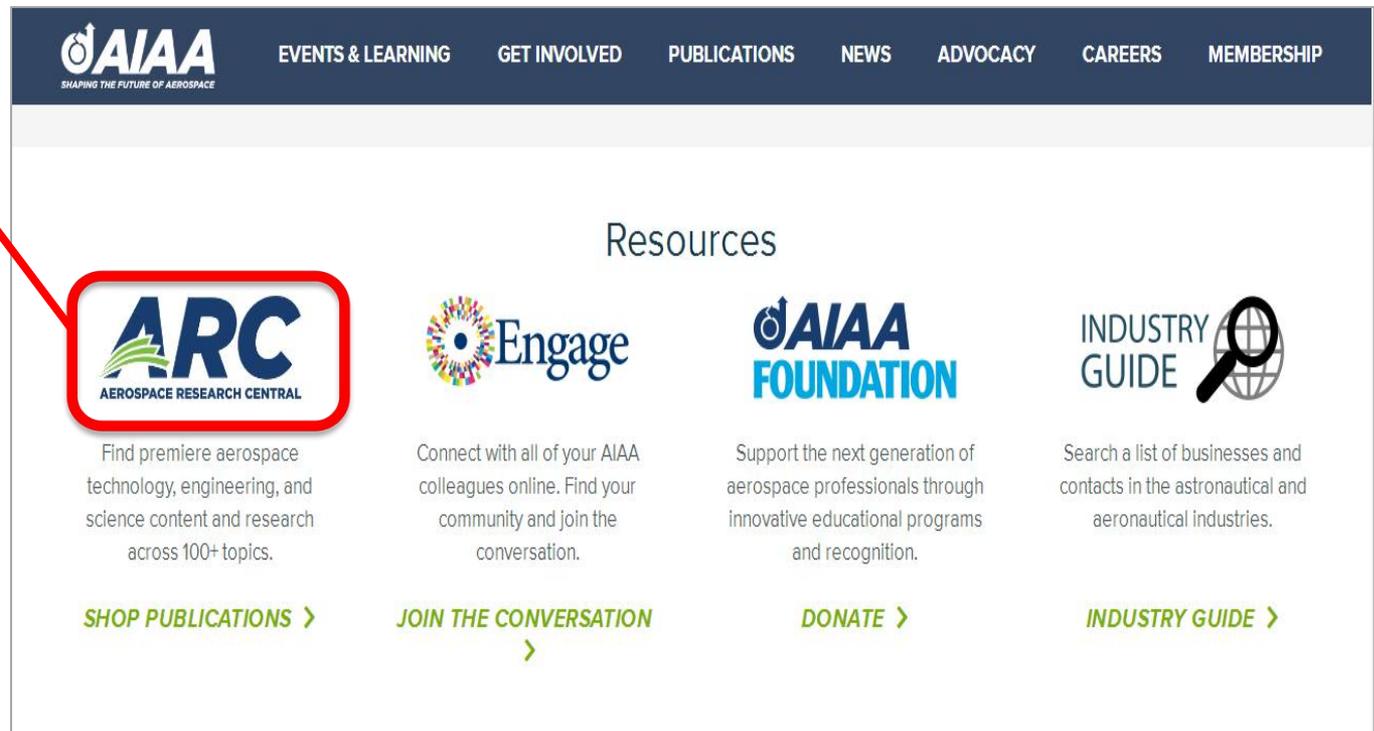
进入方式

两种方式:

--- ARC平台网址: <http://arc.aiaa.org/>

--- 由AIAA主页进入, AIAA主页网址: <https://www.aiaa.org/>

AIAA主页的
ARC平台链接



The screenshot shows the AIAA website homepage. The top navigation bar includes: AIAA (SHAPING THE FUTURE OF AEROSPACE), EVENTS & LEARNING, GET INVOLVED, PUBLICATIONS, NEWS, ADVOCACY, CAREERS, and MEMBERSHIP. The main content area is titled "Resources" and features four columns:

- ARC (AEROSPACE RESEARCH CENTRAL)**: Find premiere aerospace technology, engineering, and science content and research across 100+ topics. [SHOP PUBLICATIONS >](#)
- Engage**: Connect with all of your AIAA colleagues online. Find your community and join the conversation. [JOIN THE CONVERSATION >](#)
- AIAA FOUNDATION**: Support the next generation of aerospace professionals through innovative educational programs and recognition. [DONATE >](#)
- INDUSTRY GUIDE**: Search a list of businesses and contacts in the aeronautical and astronautical industries. [INDUSTRY GUIDE >](#)

The ARC logo is highlighted with a red box, and a red line points from the text on the left to this box.

ARC 平台主页

检索区，始终位于页面正上方



The screenshot shows the ARC platform homepage. At the top left is the ARC logo (AEROSPACE RESEARCH CENTRAL). To the right are buttons for 'Cart', 'Join AIAA', 'Institution Login', and 'Log In'. Below these is a search bar with a dropdown menu set to 'ANYWHERE' and a search icon. A navigation bar below the search bar contains links for 'Home', 'Journals', 'Books', 'Meeting Papers', 'Standards', 'Other Publications', and 'AIAA.org'. The main content area features a large banner with the text 'Welcome to the new Aerospace Research Central (ARC)!'. Below the banner is a navigation bar with the same links as above. A yellow callout box points to the search bar, and another yellow callout box points to the navigation bar.

ARC平台主页，导航条，选择所需资源类型

ARC 平台主页

最新文章、图书

LATEST ARTICLES LATEST BOOKS

Extension of a Standard Flow Solver for Simulating Phase Change in Cryogenic Tanks

Martin Konopka

Journal of Thermophysics and Heat Transfer • Articles in Advance

Modeling a Nonlinear Melt Region as a Result of High-Speed Sliding

Lt Col Armando DeLeon, William P. Baker and Anthony N. Palazotto

Journal of Thermophysics and Heat Transfer • Articles in Advance

Optimal Path Planning for Unmanned Aircraft Target Observation Through Constrained Urban Environments

Michael D. Zollars, Richard G. Cobb and David J. Grymin

Journal of Air Transportation • Articles in Advance

Linear Models for Spacecraft Relative Motion Perturbed by Solar Radiation Pressure

Tommaso Guffanti and Simone D'Amico

Journal of Guidance, Control, and Dynamics • Articles in Advance

[VIEW MORE →](#)

RESOURCES FOR



Authors



Booksellers



Companies



Educators

资源
适用
类型

ARC 平台主页

热门阅读、最高引用

MOST READ MOST CITED

TWITTER

Measurement of Impulsive Thrust from a Closed Radio-Frequency Cavity in Vacuum

Harold White, Paul March, James Lawrence, Jerry Vera, Andre Sylvester, David Brady and Paul Bailey

Journal of Propulsion and Power • Vol. 33, No. 4

Modal Analysis of Fluid Flows: An Overview

Kunihiko Taira, Steven L. Brunton, Scott T. M. Dawson, Clarence W. Rowley, Tim Colonius, Beverley J. McKeon, Oliver T. Schmidt, Stanislav Gordeyev, Vassilios Theofilis and Lawrence S. Ukeiley

AIAA Journal • Vol. 55, No. 12

Basic Understanding of Airfoil Characteristics at Low Reynolds Numbers (104-105)

Justin Winslow, Hikaru Otsuka, Bharath Govindarajan and Inderjit Chopra

Journal of Aircraft • Vol. 55, No. 3

Model Predictive Path Integral Control: From Theory to Parallel Computation

Grady Williams, Andrew Aldrich and Evangelos A. Theodorou

Journal of Guidance, Control, and Dynamics • Vol. 40, No. 2

VIEW MORE →

Publications

Journals
Books
Meeting Papers
Standards

Resources For

Authors
Booksellers
Companies
Educators
Librarians
Researchers
Standards Contributors
Students

Information

How to Order
About Publications
License Agreement
FAQs
Publish with Us
Rights & Permissions
Send Us Your Feedback

Connect

Announcements
Contact Us
Join AIAA

浏览：
按主题
期刊
电子书
会议录
标准

快速检索



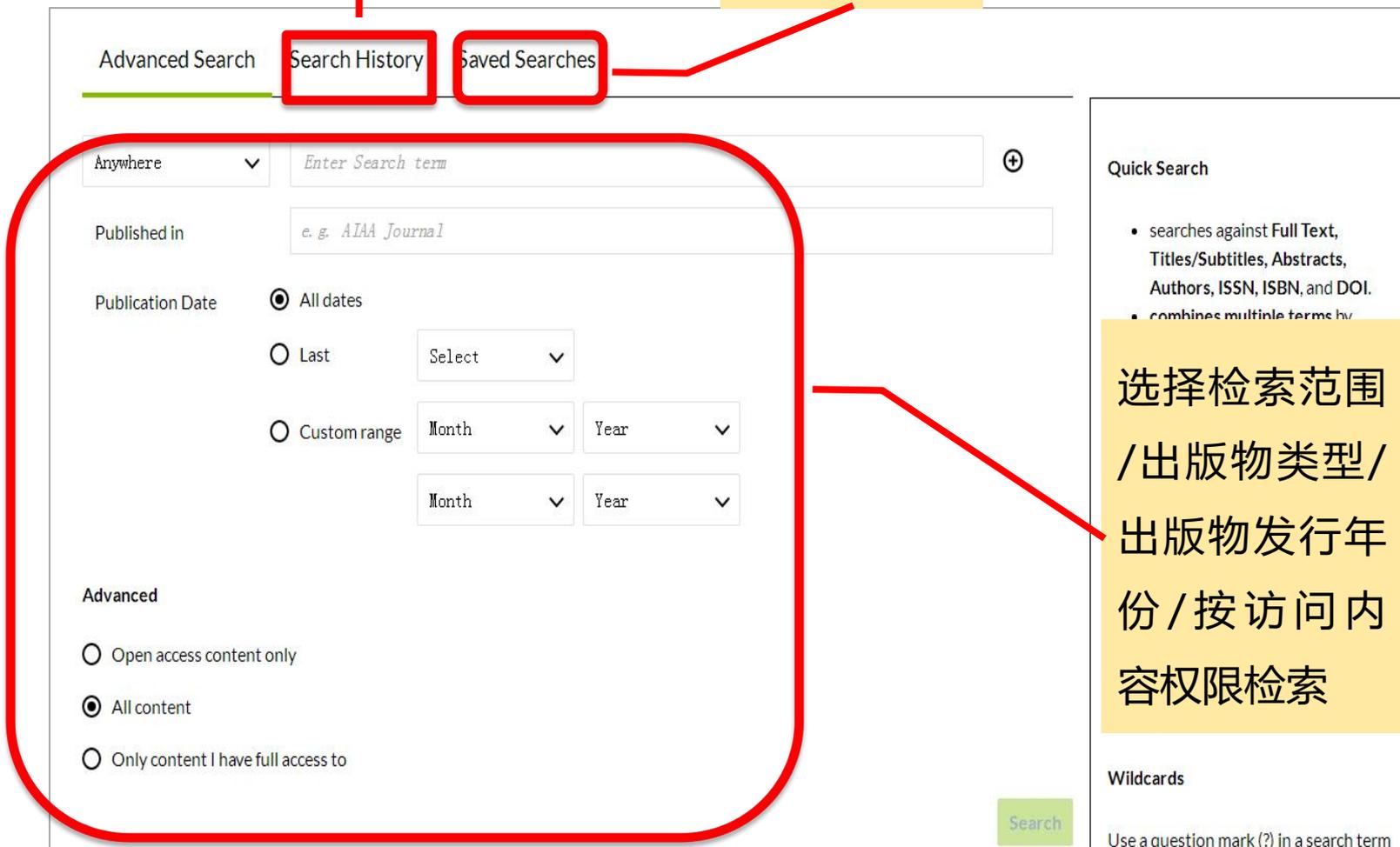
可根据单词、短语、DOI/ISBN号、关键词、作者等进行简单搜索

如需精确搜索
点击此处

高级检索

检索历史

保存检索式



Advanced Search Search History Saved Searches

Anywhere

Published in

Publication Date All dates
 Last
 Custom range

Advanced
 Open access content only
 All content
 Only content I have full access to

Quick Search

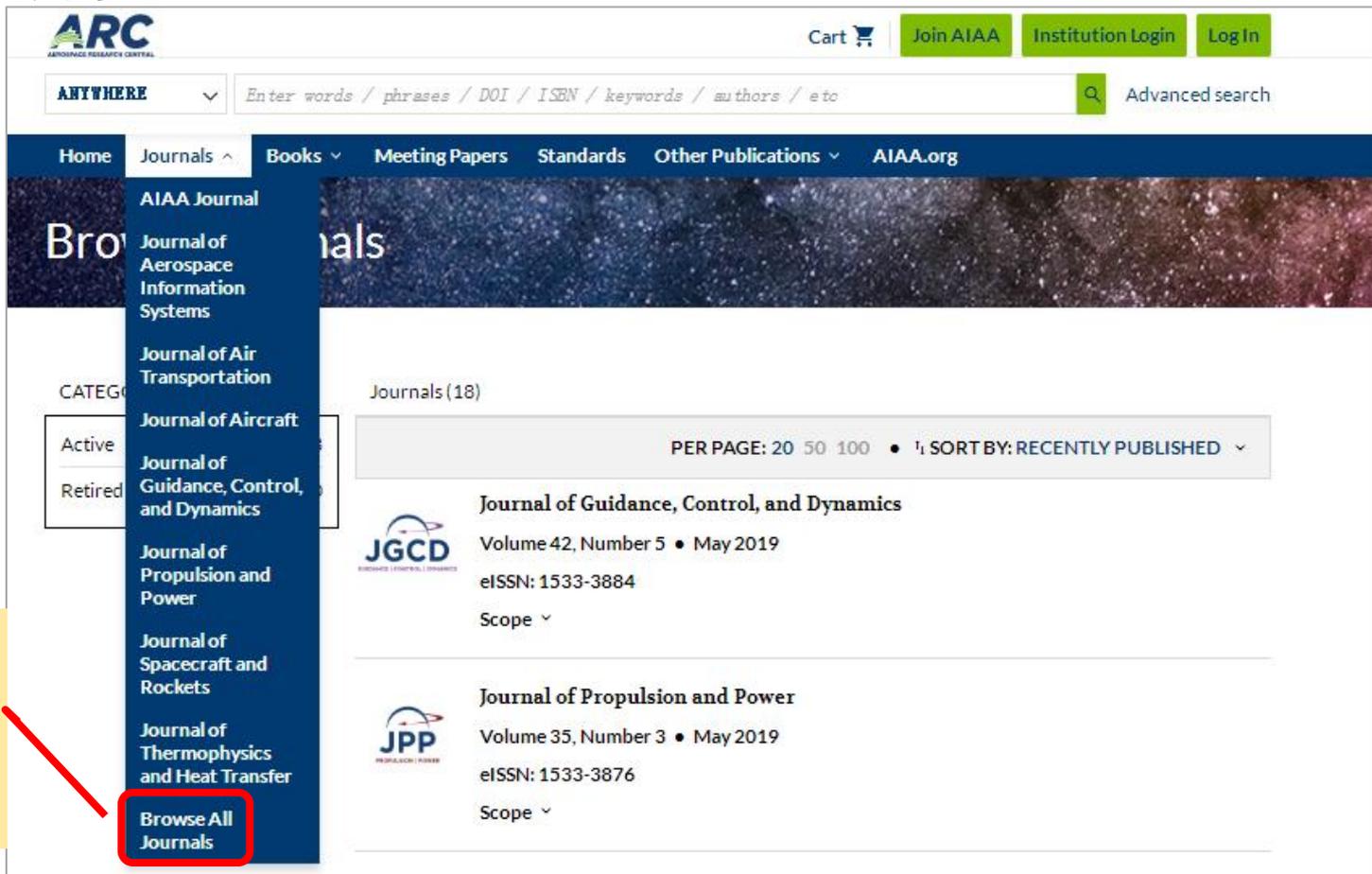
- searches against Full Text, Titles/Subtitles, Abstracts, Authors, ISSN, ISBN, and DOI.
- combines multiple terms by

选择检索范围 / 出版物类型 / 出版物发行年份 / 按访问内容权限检索

Wildcards
Use a question mark (?) in a search term

Search

期刊浏览



ARC
Aerospace Research Central

Cart  [Join AIAA](#) [Institution Login](#) [Log In](#)

ANYWHERE  [Advanced search](#)

Home Journals Books Meeting Papers Standards Other Publications AIAA.org

Browse Journals

- AIAA Journal
- Journal of Aerospace Information Systems
- Journal of Air Transportation
- Journal of Aircraft
- Journal of Guidance, Control, and Dynamics
- Journal of Propulsion and Power
- Journal of Spacecraft and Rockets
- Journal of Thermophysics and Heat Transfer
- Browse All Journals**

CATEGORIES: Active Retired

Journals (18)

PER PAGE: 20 50 100 • SORT BY: RECENTLY PUBLISHED

 **Journal of Guidance, Control, and Dynamics**
Volume 42, Number 5 • May 2019
eISSN: 1533-3884
Scope

 **Journal of Propulsion and Power**
Volume 35, Number 3 • May 2019
eISSN: 1533-3876
Scope

点击浏览全部期刊

期刊浏览



ARC

Cart [Join AIAA](#) [Institution Login](#) [Log In](#)

ANYWHERE [Advanced search](#)

Home Journals Books Meeting Papers Standards Other Publications AIAA.org

Browse Journals

CATEGORIES

Active	8
Retired	10

Journals (18)

PER PAGE: 20 50 100 • SORT BY RECENTLY PUBLISHED ^

ALPHABETICALLY

Journal of Guidance, Control, and Dynamics
Volume 42, Number 5 • May 2019
eISSN: 1533-3884

Journal of Propulsion and Power
Volume 35, Number 3 • May 2019
eISSN: 1533-3876

AIAA Journal
Volume 57, Number 4 • April 2019
eISSN: 1533-385X

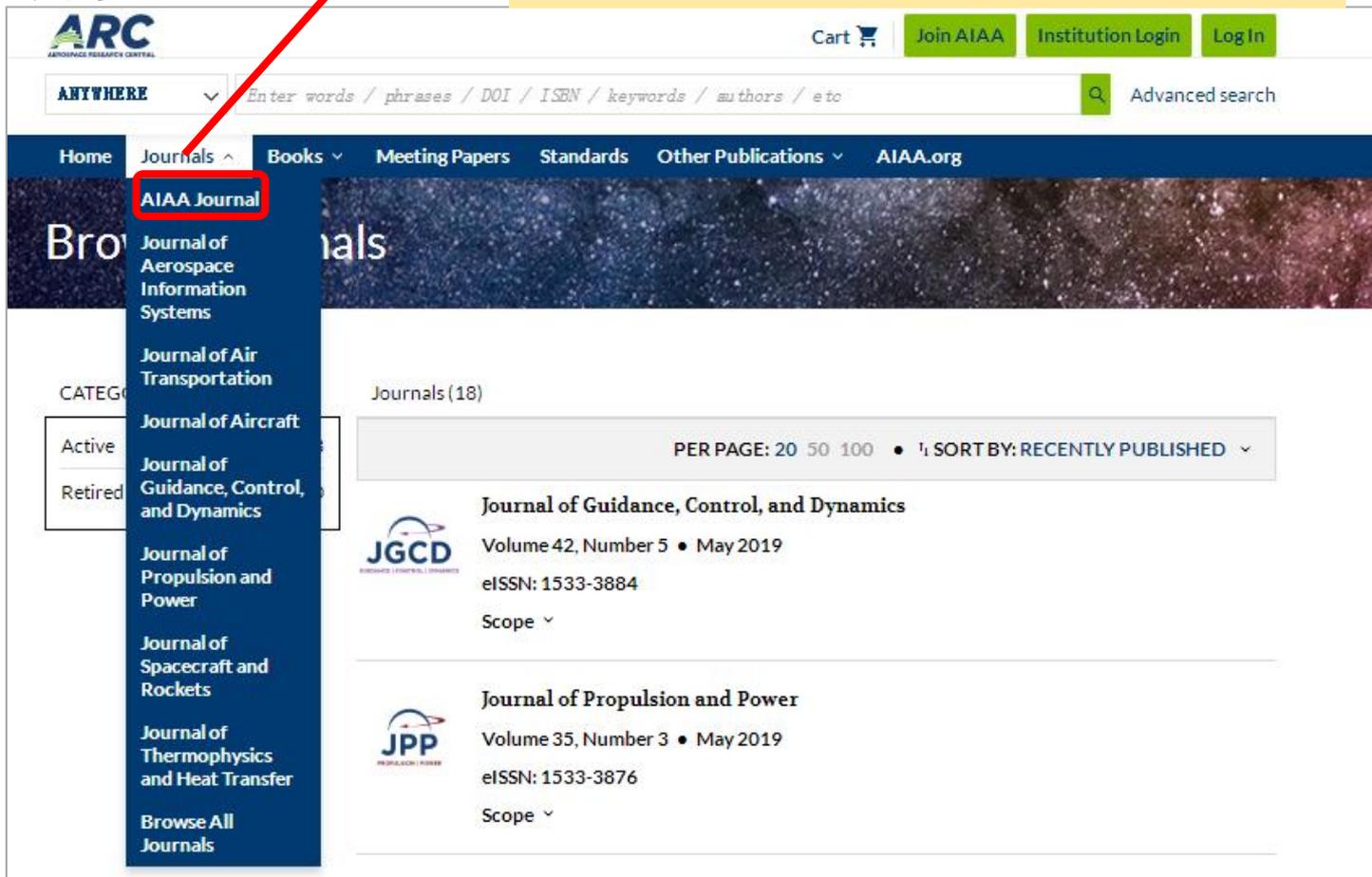
Journal of Aerospace Information Systems
Volume 16, Number 4 • April 2019
eISSN: 2327-3097

点击检索所有在
版的和已停刊的
期刊

按最新出版/字母顺
序排序，可选择每
页显示文章篇数

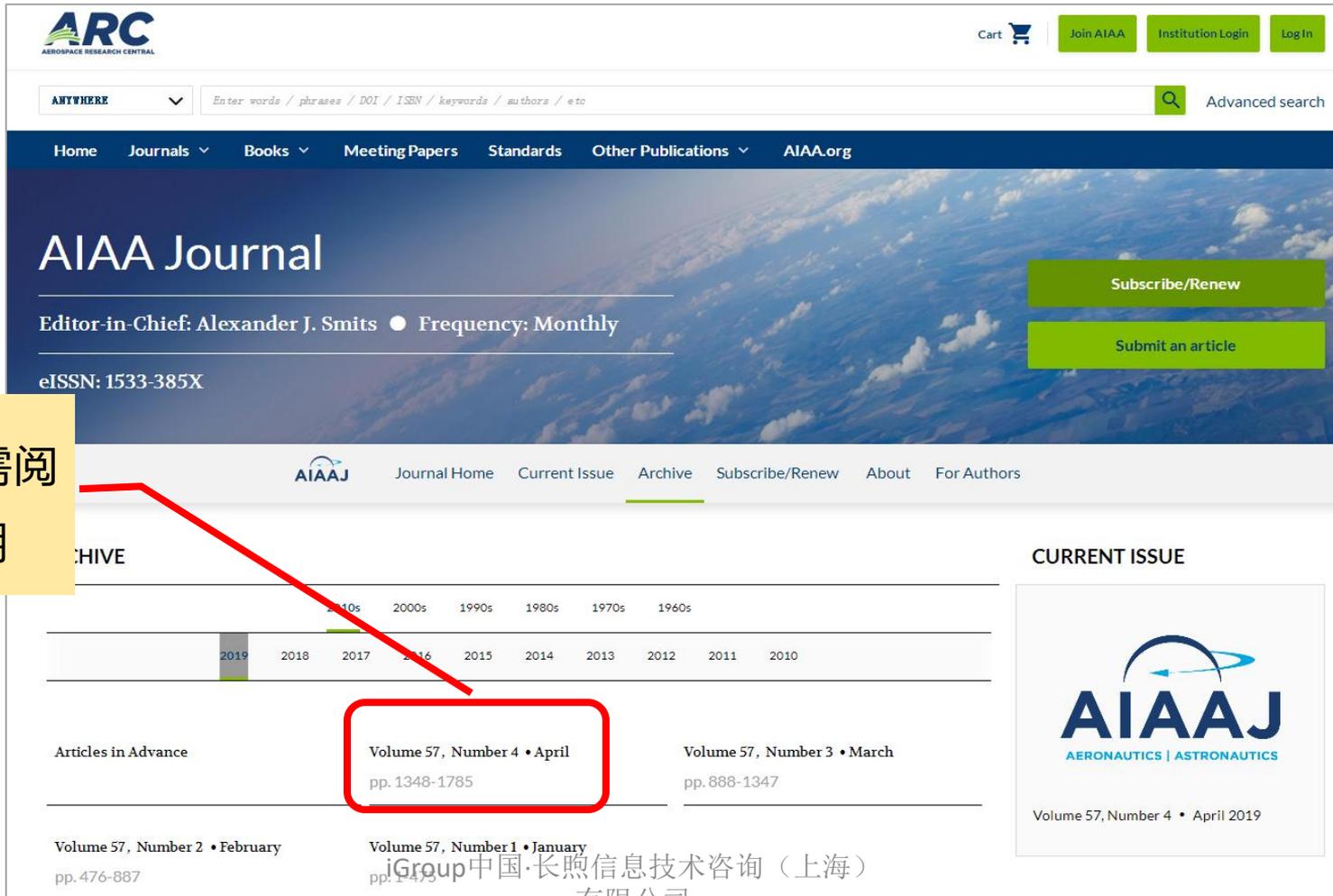
期刊浏览

选择一份期刊，以 AIAA Journal 为例，
点击进入期刊主页



The screenshot shows the AIAA website interface. At the top, there is a navigation bar with 'Home', 'Journals', 'Books', 'Meeting Papers', 'Standards', 'Other Publications', and 'AIAA.org'. The 'Journals' menu is expanded, showing a list of journals including 'AIAA Journal', 'Journal of Aerospace Information Systems', 'Journal of Air Transportation', 'Journal of Aircraft', 'Journal of Guidance, Control, and Dynamics', 'Journal of Propulsion and Power', 'Journal of Spacecraft and Rockets', 'Journal of Thermophysics and Heat Transfer', and 'Browse All Journals'. The 'AIAA Journal' option is highlighted with a red box. Below the menu, there is a search bar and a list of journals. The list includes 'Journal of Guidance, Control, and Dynamics' (Volume 42, Number 5 • May 2019, eISSN: 1533-3884) and 'Journal of Propulsion and Power' (Volume 35, Number 3 • May 2019, eISSN: 1533-3876). A red arrow points from the 'AIAA Journal' menu item to the text box above.

期刊浏览



ARC
AEROSPACE RESEARCH CENTRAL

Cart  [Join AIAA](#) [Institution Login](#) [Log In](#)

ANYWHERE  [Advanced search](#)

[Home](#) [Journals](#) [Books](#) [Meeting Papers](#) [Standards](#) [Other Publications](#) [AIAA.org](#)

AIAA Journal

Editor-in-Chief: Alexander J. Smits ● Frequency: Monthly

eISSN: 1533-385X

[Subscribe/Renew](#)

[Submit an article](#)

AIAAJ [Journal Home](#) [Current Issue](#) **[Archive](#)** [Subscribe/Renew](#) [About](#) [For Authors](#)

ARCHIVE

2010s 2000s 1990s 1980s 1970s 1960s

2019 2018 2017 2016 2015 2014 2013 2012 2011 2010

Articles in Advance

Volume 57, Number 4 • April
pp. 1348-1785

Volume 57, Number 3 • March
pp. 888-1347

Volume 57, Number 2 • February
pp. 476-887

Volume 57, Number 1 • January
pp. 1-473

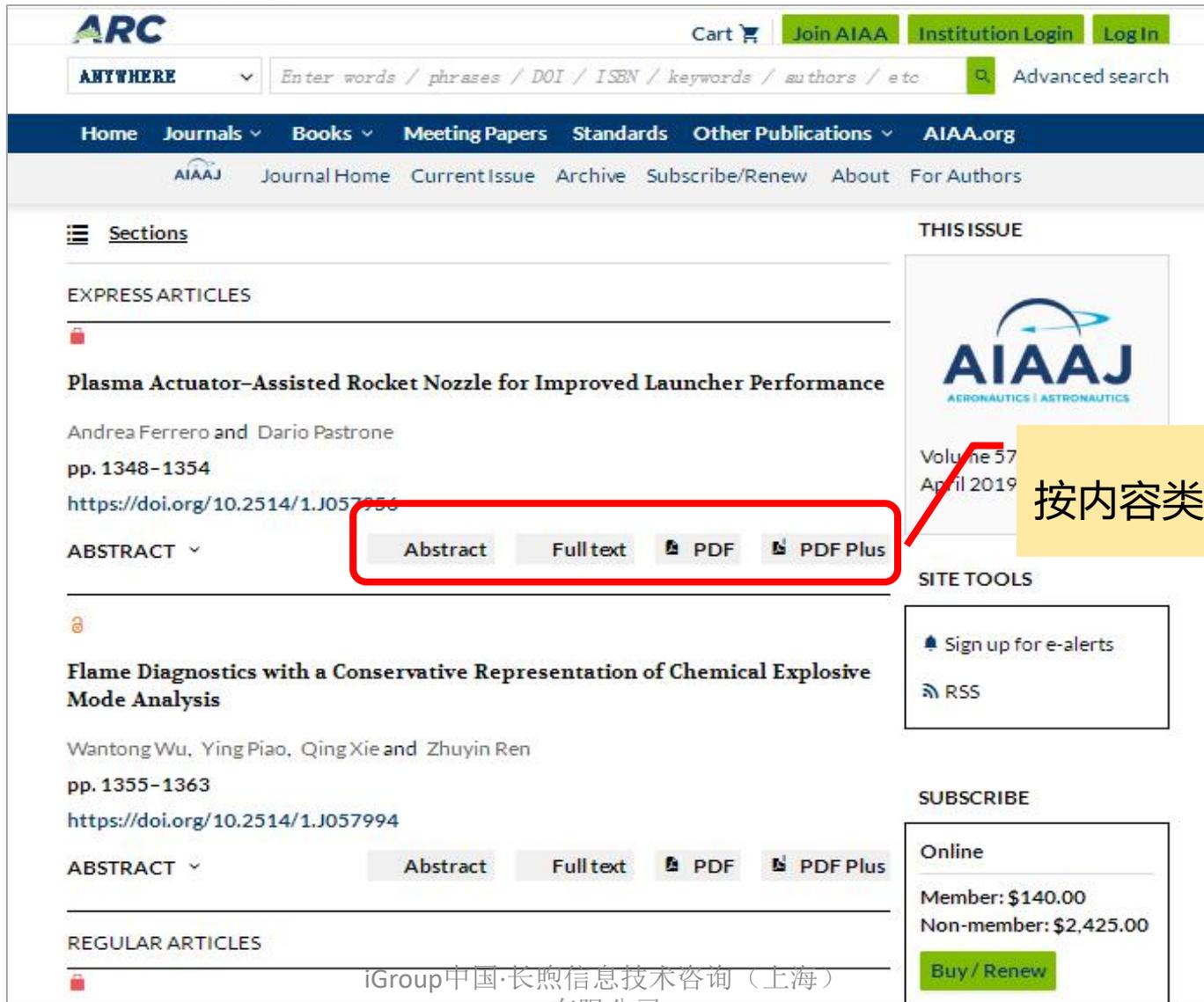
CURRENT ISSUE



AIAAJ
AERONAUTICS | ASTRONAUTICS

Volume 57, Number 4 • April 2019

选择所需阅读的卷期



The screenshot shows the AIAAJ website interface. At the top, there is a navigation bar with the ARC logo, a search bar, and links for 'Join AIAA', 'Institution Login', and 'Log In'. Below the navigation bar, there are sections for 'Sections', 'EXPRESS ARTICLES', and 'REGULAR ARTICLES'. Two articles are listed: 'Plasma Actuator-Assisted Rocket Nozzle for Improved Launcher Performance' and 'Flame Diagnostics with a Conservative Representation of Chemical Explosive Mode Analysis'. For each article, there are buttons for 'Abstract', 'Full text', 'PDF', and 'PDF Plus'. A red box highlights these buttons for the first article. On the right side, there is a 'THIS ISSUE' section with the AIAAJ logo and volume information, and a 'SITE TOOLS' section with links for 'Sign up for e-alerts' and 'RSS'. At the bottom right, there is a 'SUBSCRIBE' section with pricing information and a 'Buy/Renew' button. A yellow callout box with a red arrow points to the 'Full text' button, containing the text '按内容类型下载'.

ARC

Cart [Join AIAA](#) [Institution Login](#) [Log In](#)

ANYWHERE Enter words / phrases / DOI / ISBN / keywords / authors / etc

Home Journals Books Meeting Papers Standards Other Publications AIAA.org

AIAAJ Journal Home Current Issue Archive Subscribe/Renew About For Authors

Sections

EXPRESS ARTICLES

Plasma Actuator-Assisted Rocket Nozzle for Improved Launcher Performance

Andrea Ferrero and Dario Pastrone
pp. 1348-1354
<https://doi.org/10.2514/1.J057956>

ABSTRACT ▾

Abstract Full text PDF PDF Plus

Flame Diagnostics with a Conservative Representation of Chemical Explosive Mode Analysis

Wantong Wu, Ying Piao, Qing Xie and Zhuyin Ren
pp. 1355-1363
<https://doi.org/10.2514/1.J057994>

ABSTRACT ▾

Abstract Full text PDF PDF Plus

REGULAR ARTICLES

THIS ISSUE

AIAAJ
AERONAUTICS | ASTRONAUTICS

Volume 57
April 2019

按内容类型下载

SITE TOOLS

Sign up for e-alerts
RSS

SUBSCRIBE

Online

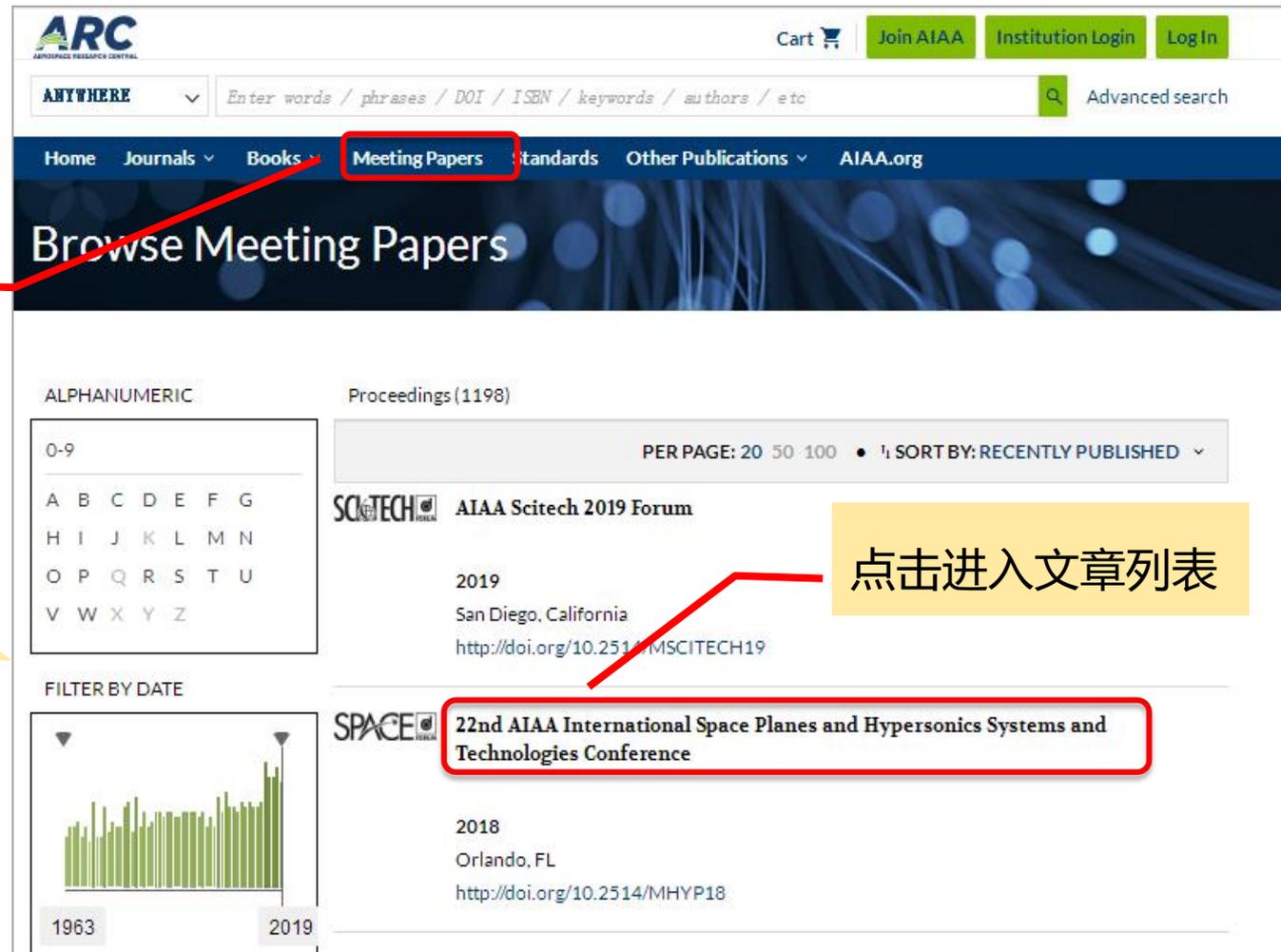
Member: \$140.00
Non-member: \$2,425.00

Buy/Renew

会议录浏览

点击进入会议录列表，显示实时篇数

过滤条件：
字母/时间/
论坛/主题



ARC
AEROSPACE RESEARCH CENTRAL

Cart  Join AIAA Institution Login Log In

ANYWHERE  Advanced search

Home Journals Books **Meeting Papers** Standards Other Publications AIAA.org

Browse Meeting Papers

ALPHANUMERIC

0-9

A B C D E F G
H I J K L M N
O P Q R S T U
V W X Y Z

FILTER BY DATE

1963 2019

Proceedings (1198)

PER PAGE: 20 50 100 • SORT BY: RECENTLY PUBLISHED ▾

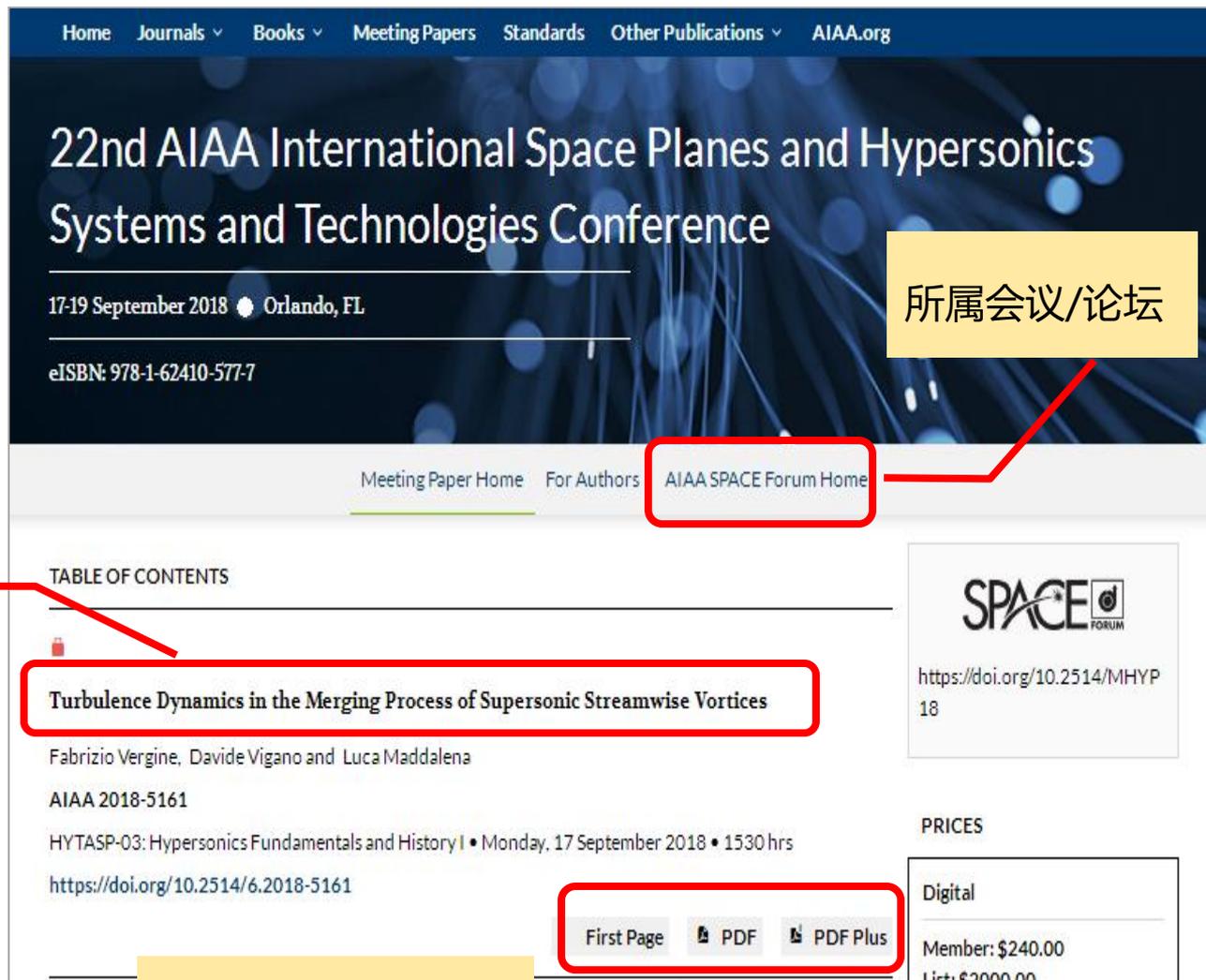
SCITECH AIAA Scitech 2019 Forum

2019
San Diego, California
<http://doi.org/10.2514/6.2019-1198>

SPACE 22nd AIAA International Space Planes and Hypersonics Systems and Technologies Conference

2018
Orlando, FL
<http://doi.org/10.2514/6.2018-1198>

会议录浏览



Home Journals Books Meeting Papers Standards Other Publications AIAA.org

22nd AIAA International Space Planes and Hypersonics Systems and Technologies Conference

17-19 September 2018 Orlando, FL

eISBN: 978-1-62410-577-7

Meeting Paper Home For Authors **AIAA SPACE Forum Home**

TABLE OF CONTENTS

Turbulence Dynamics in the Merging Process of Supersonic Streamwise Vortices

Fabrizio Vergine, Davide Vigano and Luca Maddalena

AIAA 2018-5161

HYTASP-03: Hypersonics Fundamentals and History I • Monday, 17 September 2018 • 1530 hrs

<https://doi.org/10.2514/6.2018-5161>

First Page PDF PDF Plus

SPACE FORUM

<https://doi.org/10.2514/MHYP18>

PRICES

Digital

Member: \$240.00

List: \$2000.00

所属会议/论坛

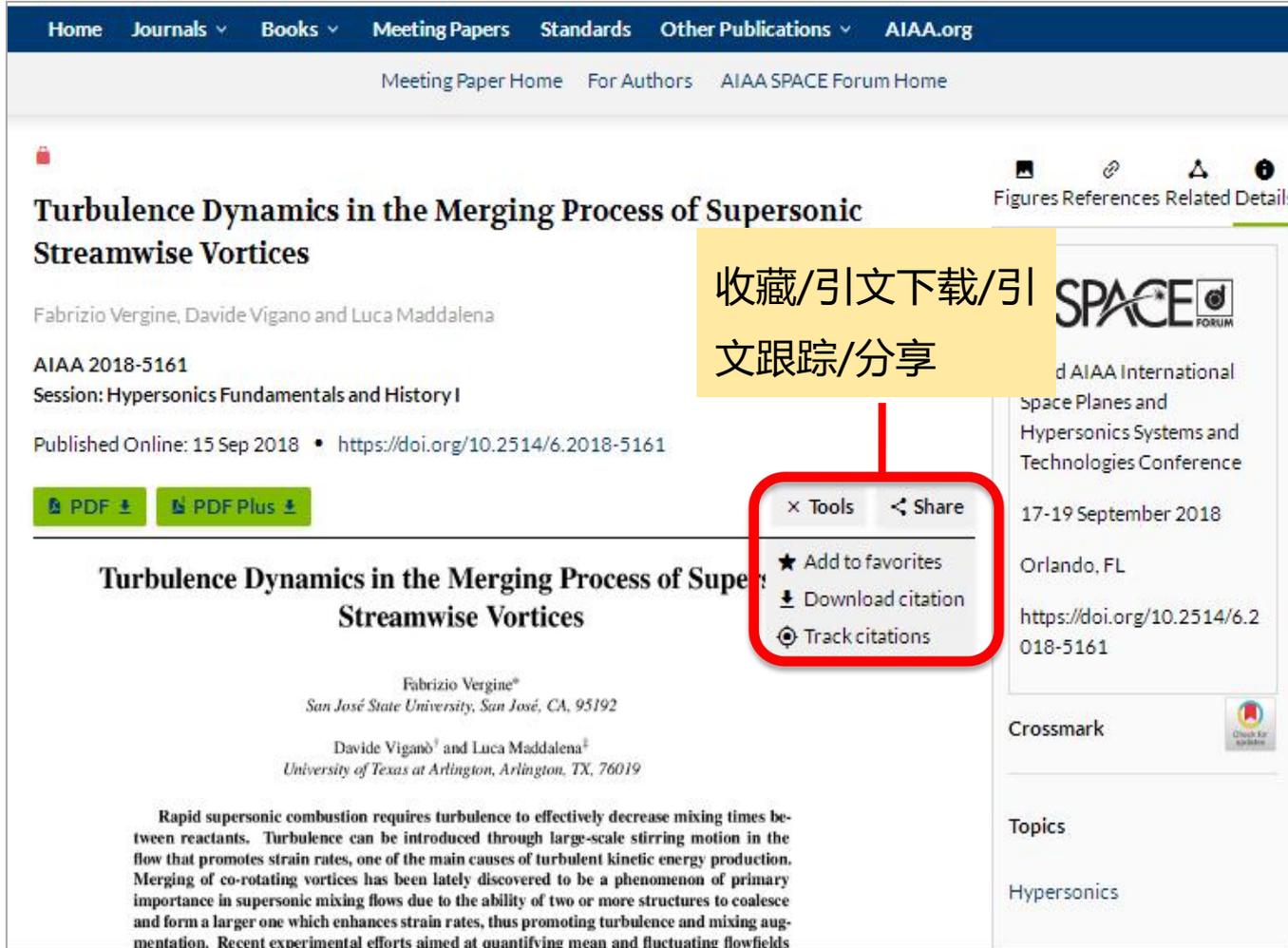
点击进入文章页面

按内容类型下载

(上海)

有限公司

会议录浏览



Home Journals Books Meeting Papers Standards Other Publications AIAA.org

Meeting Paper Home For Authors AIAA SPACE Forum Home

Turbulence Dynamics in the Merging Process of Supersonic Streamwise Vortices

Fabrizio Vergine, Davide Viganò and Luca Maddalena

AIAA 2018-5161
Session: Hypersonics Fundamentals and History I

Published Online: 15 Sep 2018 • <https://doi.org/10.2514/6.2018-5161>

PDF PDF Plus

× Tools Share

- ★ Add to favorites
- ↓ Download citation
- 🔗 Track citations

SPACE FORUM

and AIAA International Space Planes and Hypersonics Systems and Technologies Conference

17-19 September 2018

Orlando, FL

<https://doi.org/10.2514/6.2018-5161>

Crossmark

Topics

Hypersonics

收藏/引文下载/引文跟踪/分享

Turbulence Dynamics in the Merging Process of Supersonic Streamwise Vortices

Fabrizio Vergine^{*}
San José State University, San José, CA, 95192

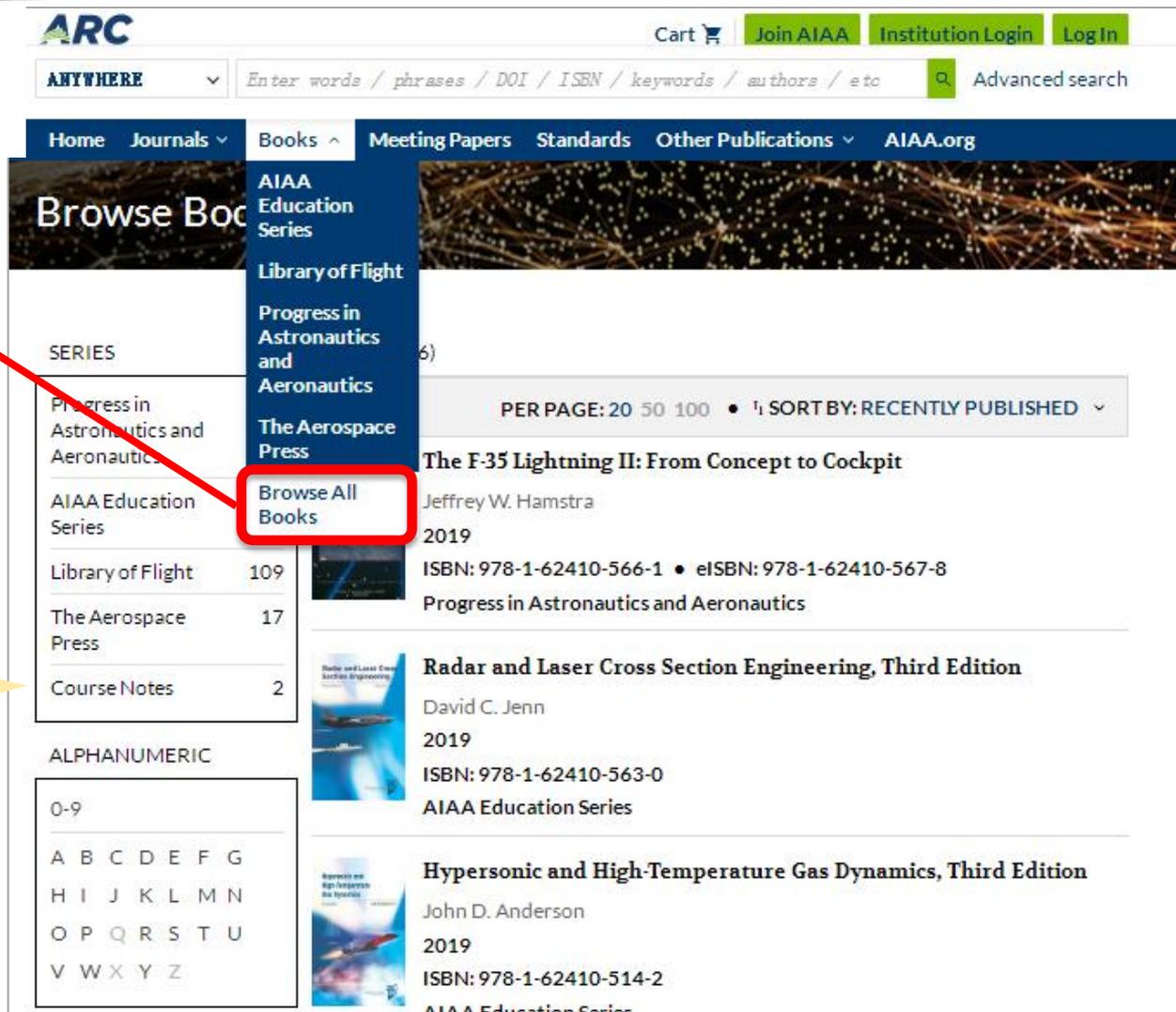
Davide Viganò[†] and Luca Maddalena[‡]
University of Texas at Arlington, Arlington, TX, 76019

Rapid supersonic combustion requires turbulence to effectively decrease mixing times between reactants. Turbulence can be introduced through large-scale stirring motion in the flow that promotes strain rates, one of the main causes of turbulent kinetic energy production. Merging of co-rotating vortices has been lately discovered to be a phenomenon of primary importance in supersonic mixing flows due to the ability of two or more structures to coalesce and form a larger one which enhances strain rates, thus promoting turbulence and mixing augmentation. Recent experimental efforts aimed at quantifying mean and fluctuating flowfields

电子书浏览

点击浏览全部
电子书

过滤条件：
所属系列/字母/
时间/作者/主题



ARC Cart Join AIAA Institution Login Log In

ANYWHERE Advanced search

Home Journals Books Meeting Papers Standards Other Publications AIAA.org

Browse Books

- AIAA Education Series
- Library of Flight
- Progress in Astronautics and Aeronautics
- The Aerospace Press
- Browse All Books**

SERIES	Count
Progress in Astronautics and Aeronautics	109
AIAA Education Series	17
Library of Flight	2
The Aerospace Press	
Course Notes	

ALPHANUMERIC

0-9

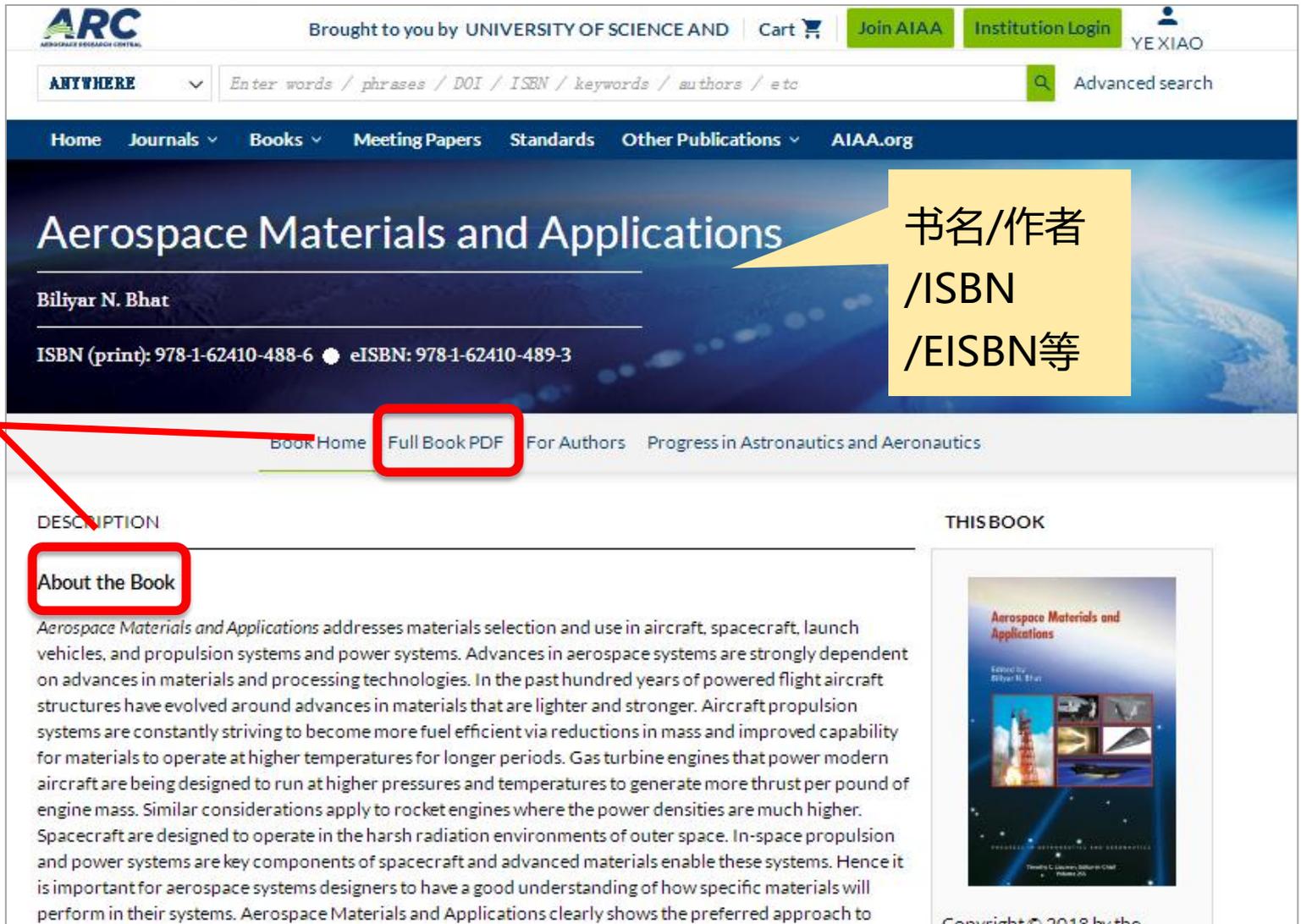
A B C D E F G
H I J K L M N
O P Q R S T U
V W X Y Z

PER PAGE: 20 50 100 • SORT BY: RECENTLY PUBLISHED

The F-35 Lightning II: From Concept to Cockpit
Jeffrey W. Hamstra
2019
ISBN: 978-1-62410-566-1 • eISBN: 978-1-62410-567-8
Progress in Astronautics and Aeronautics

Radar and Laser Cross Section Engineering, Third Edition
David C. Jenn
2019
ISBN: 978-1-62410-563-0
AIAA Education Series

Hypersonic and High-Temperature Gas Dynamics, Third Edition
John D. Anderson
2019
ISBN: 978-1-62410-514-2
AIAA Education Series

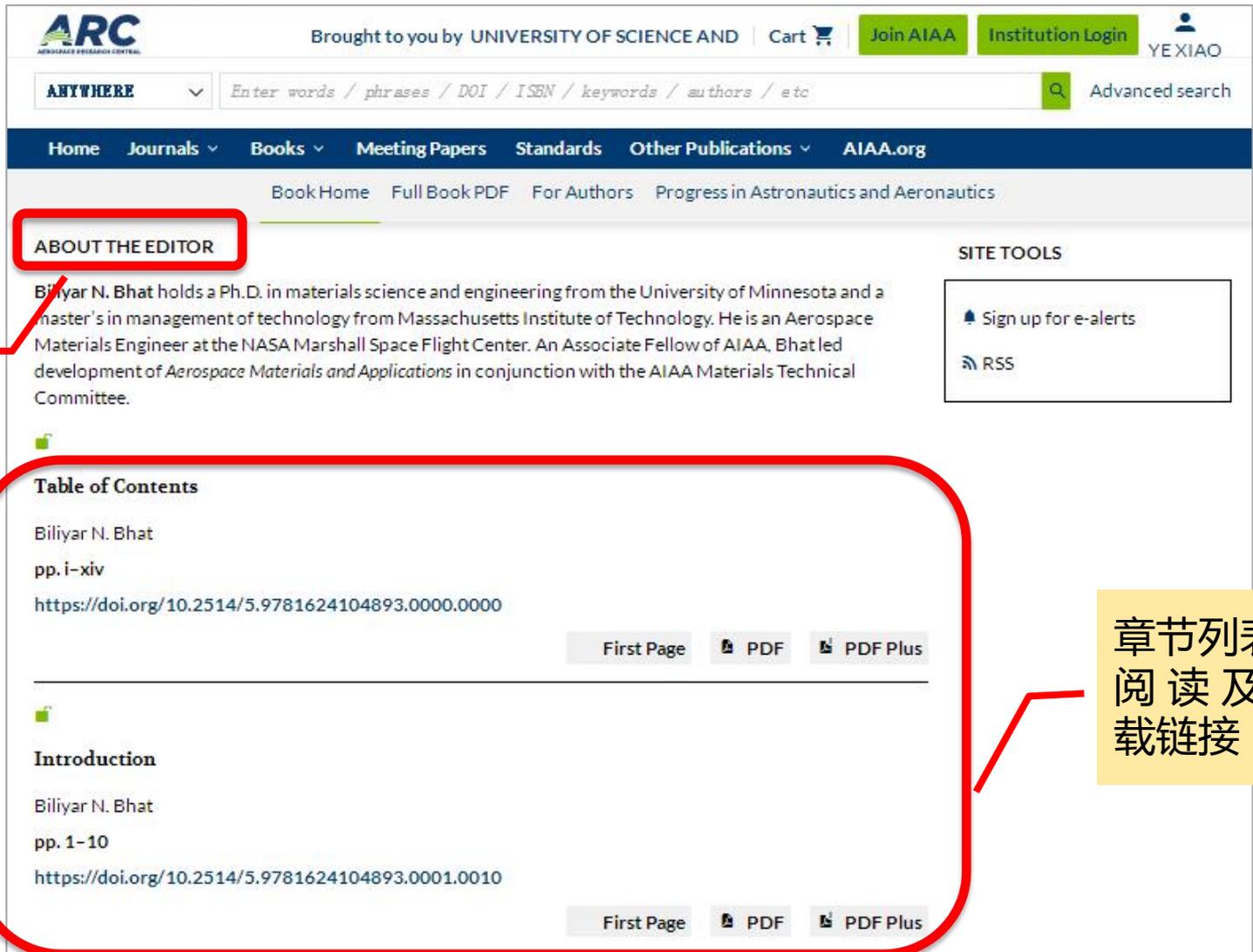


The screenshot shows the ARC Aerospace Research Central website. At the top, it says 'Brought to you by UNIVERSITY OF SCIENCE AND' with a 'Cart' icon, 'Join AIAA', 'Institution Login', and 'YE XIAO' user name. A search bar contains 'ANYWHERE' and a search icon. The main navigation menu includes 'Home', 'Journals', 'Books', 'Meeting Papers', 'Standards', 'Other Publications', and 'AIAA.org'. The featured book is 'Aerospace Materials and Applications' by Biliyar N. Bhat, with ISBN (print): 978-1-62410-488-6 and eISBN: 978-1-62410-489-3. A yellow callout box on the right lists search criteria: '书名/作者 /ISBN /EISBN等'. A yellow callout box on the left says '整书下载、图书简介' with red arrows pointing to the 'Full Book PDF' link and the 'About the Book' section. The 'Full Book PDF' link is circled in red. The 'DESCRIPTION' section has a sub-section 'About the Book' also circled in red. The 'THIS BOOK' section shows the book cover. At the bottom, it says 'Copyright © 2018 by the'.

整书下载、
图书简介

书名/作者
/ISBN
/EISBN等

作者简介



The screenshot shows the ARC (Aerospace Research Central) website. At the top, it says "Brought to you by UNIVERSITY OF SCIENCE AND" with a shopping cart icon. There are buttons for "Join AIAA" and "Institution Login" with the user name "YE XIAO". A search bar contains the text "ANYWHERE" and a prompt "Enter words / phrases / DOI / ISBN / keywords / authors / etc". Below the search bar is a navigation menu with "Home", "Journals", "Books", "Meeting Papers", "Standards", "Other Publications", and "AIAA.org". Under "Books", there are sub-links: "Book Home", "Full Book PDF", "For Authors", and "Progress in Astronautics and Aeronautics".

The main content area features a section titled "ABOUT THE EDITOR" (highlighted with a red box). The text reads: "Biliyar N. Bhat holds a Ph.D. in materials science and engineering from the University of Minnesota and a master's in management of technology from Massachusetts Institute of Technology. He is an Aerospace Materials Engineer at the NASA Marshall Space Flight Center. An Associate Fellow of AIAA, Bhat led development of *Aerospace Materials and Applications* in conjunction with the AIAA Materials Technical Committee."

To the right of the editor bio is a "SITE TOOLS" box containing "Sign up for e-alerts" and "RSS".

Below the bio is a "Table of Contents" section (highlighted with a red rounded rectangle). It lists two items:

- Table of Contents**
Biliyar N. Bhat
pp. i-xiv
<https://doi.org/10.2514/5.9781624104893.0000.0000>
Buttons: First Page, PDF, PDF Plus
- Introduction**
Biliyar N. Bhat
pp. 1-10
<https://doi.org/10.2514/5.9781624104893.0001.0010>
Buttons: First Page, PDF, PDF Plus

章节列表，
阅读及下
载链接

标准浏览

Cart  [Join AIAA](#) [Institution Login](#) [Log In](#)

ANYWHERE   [Advanced search](#)

[Home](#) [Journals](#) [Books](#) [Meeting Papers](#) **Standards** [Other Publications](#) [AIAA.org](#)

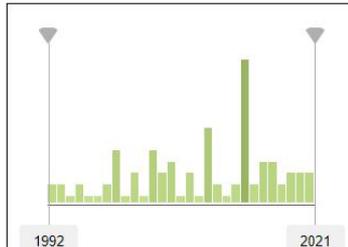
点击浏览全部
标准

Browse Standards

ALPHANUMERIC

0-9
A B C D E F G H
I J K L M N O P
Q R S T U V W X
Y Z

FILTER BY DATE



Standards (82)

Results: 1 - 20 of 82

PER PAGE: 20 50 100 • SORT BY: RECENTLY PUBLISHED 

-  Recommended Practice: When Flight Modelling Is Used to Reduce Flight Testing Supporting Aircraft Certification (AIAA R-154-2021)
American Institute of Aeronautics and Astronautics
2021
eISBN: 978-1-62410-623-1
-  Human Spaceflight: Spacecraft Architecture and Systems Engineering Ontology (ANSI/AIAA S-153-2021)
American Institute of Aeronautics and Astronautics
2021
eISBN: 978-1-62410-628-6
-  Dual Flow Reference Nozzles for Verification of Sub-Scale Thrust and Airflow Test Rigs: Dual-Component Flow Reference (DFR) and Dual-Mode Flow Reference (DMFR) (AIAA R-146-2020)

过滤条件:
所属系列/字
母/时间/作
者/主题

Recommended Practice: When Flight Modelling Is Used to Reduce Flight Testing Supporting Aircraft Certification (AIAA R-154-2021)

American Institute of Aeronautics and Astronautics

eISBN: 978-1-62410-623-1

标准名
/ISBN
/EISBN等

Standard Home For Authors AIAA Standards

DESCRIPTION

标准简介

This document outlines a set of recommended practices (six tasks) for an applicant to accomplish when flight modelling is being developed, proposed and used to reduce flight testing relative to established aircraft certification practices. The specific certification requirements considered when these recommendations were developed include aircraft performance and handling qualities, static loads and aeroelastic stability. However, the recommended tasks may also be applicable when showing compliance to other requirements.

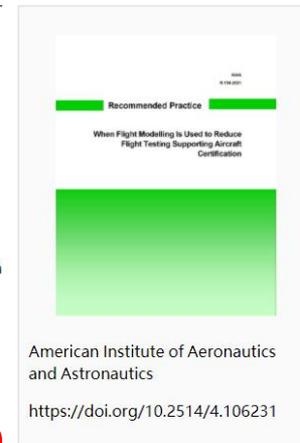
The set of tasks provides a framework for organizing information used to determine whether or not a particular analysis method is appropriate for supporting a compliance showing in a particular application. Hypothetical examples of applying these tasks to specific certification applications are provided. However, this document does not endorse specific analysis methods and processes for showing compliance to specific requirements nor prescribe how analysis methods are utilized. It remains the responsibility of the applicant and regulatory authority to determine whether a given analysis method is appropriate for a given compliance showing. The only recommended manner appropriate to the particular showing of compliance

按内容类型下载

Recommended Practice: When Flight Modelling Is Used to Reduce Flight Testing Supporting Aircraft Certification (AIAA R-154-2021)

<https://doi.org/10.2514/4.106231.001>

THIS BOOK



American Institute of Aeronautics and Astronautics

<https://doi.org/10.2514/4.106231>

提纲CONTENTS

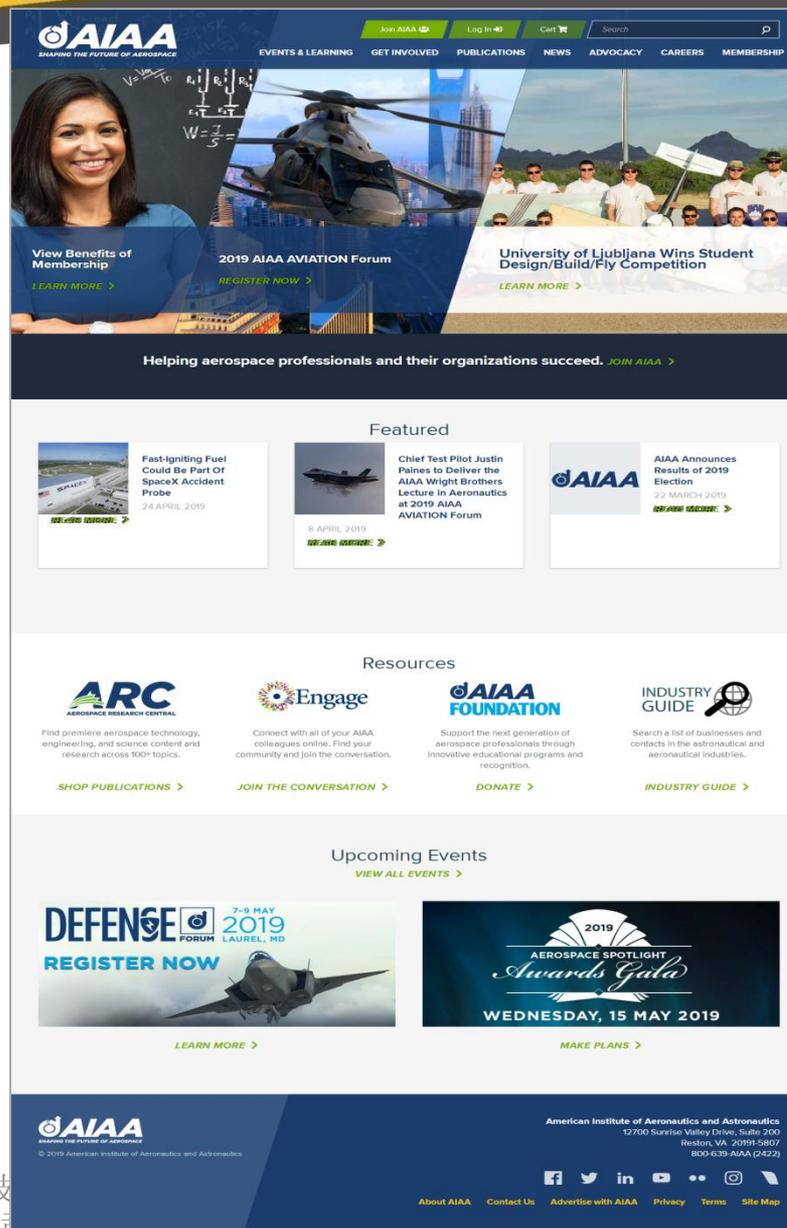
- 1** AIAA 出版社介绍
——背景、学会、出版物简介
- 2** AIAA 数据库使用说明
——ARC平台介绍、期刊、会议录、电子书、标准浏览
- 3** AIAA 其它信息
——行业动态、宇航科学职业发展、职位申请等

AIAA 主页其他信息

AIAA网站还提供:

- 行业信息如国际会议、行业研究进展、产业发展信息
- 个人职业发展、工作机会等
- 提供电子邮件推送服务

网址: <https://www.aiaa.org>



行业动态

热门文章

Featured



Fast-Igniting Fuel Could Be Part Of SpaceX Accident Probe
24 APRIL 2019
[READ MORE >](#)



Chief Test Pilot Justin Paines to Deliver the AIAA Wright Brothers Lecture in Aeronautics at 2019 AIAA AVIATION Forum
8 APRIL 2019
[READ MORE >](#)



AIAA Announces Results of 2019 Election
22 MARCH 2019
[READ MORE >](#)

资源平台

Resources



Find premiere aerospace technology, engineering, and science content and research across 100+ topics.

[PUBLICATIONS >](#)



Connect with all of your AIAA colleagues online. Find your community and join the conversation.

[JOIN THE CONVERSATION >](#)



Support the next generation of aerospace professionals through innovative educational programs and recognition.

[DONATE >](#)



Search a list of businesses and contacts in the astronomical and aeronautical industries.

[INDUSTRY GUIDE >](#)

即将举办的会议展览等信息

Upcoming Events

[VIEW ALL EVENTS >](#)



[LEARN MORE >](#)



[MAKE PLANS >](#)

行业动态



The screenshot shows the AIAA website's news section. At the top left is the AIAA logo with the tagline "SHAPING THE FUTURE OF AEROSPACE". The navigation bar includes "EVENTS & LEARNING", "GET INVOLVED", "PUBLICATIONS", "NEWS" (highlighted), "ADVOCACY", "CAREERS", and "MEMBERSHIP". Utility links for "Join AIAA", "Log In", and "Cart" are also present. A search bar is located on the right. The main content area is divided into three columns: "Press Releases" (with a sub-link for "AIAA Members in the News"), "AIAA News", and "Industry News" (with sub-links for "Newsletters", "Momentum Newsletter Archive", and "Public Policy Newsletters - The Aerospace Advocate"). A large banner image of a Mars lander is visible. A yellow callout box with Chinese text is overlaid on the page. Below the banner, there are sections for "Home", "PRESS RELEASES" (with a link to "AIAA Announces 2019 Region I Student Conference Winners"), "INDUSTRY NEWS" (with a link to "Mars Lander Records What's Likely First Detected Marsquake"), and "In This Section" (with links to "Events & Learning", "Get Involved", "Publications", "News", and "Press Releases").

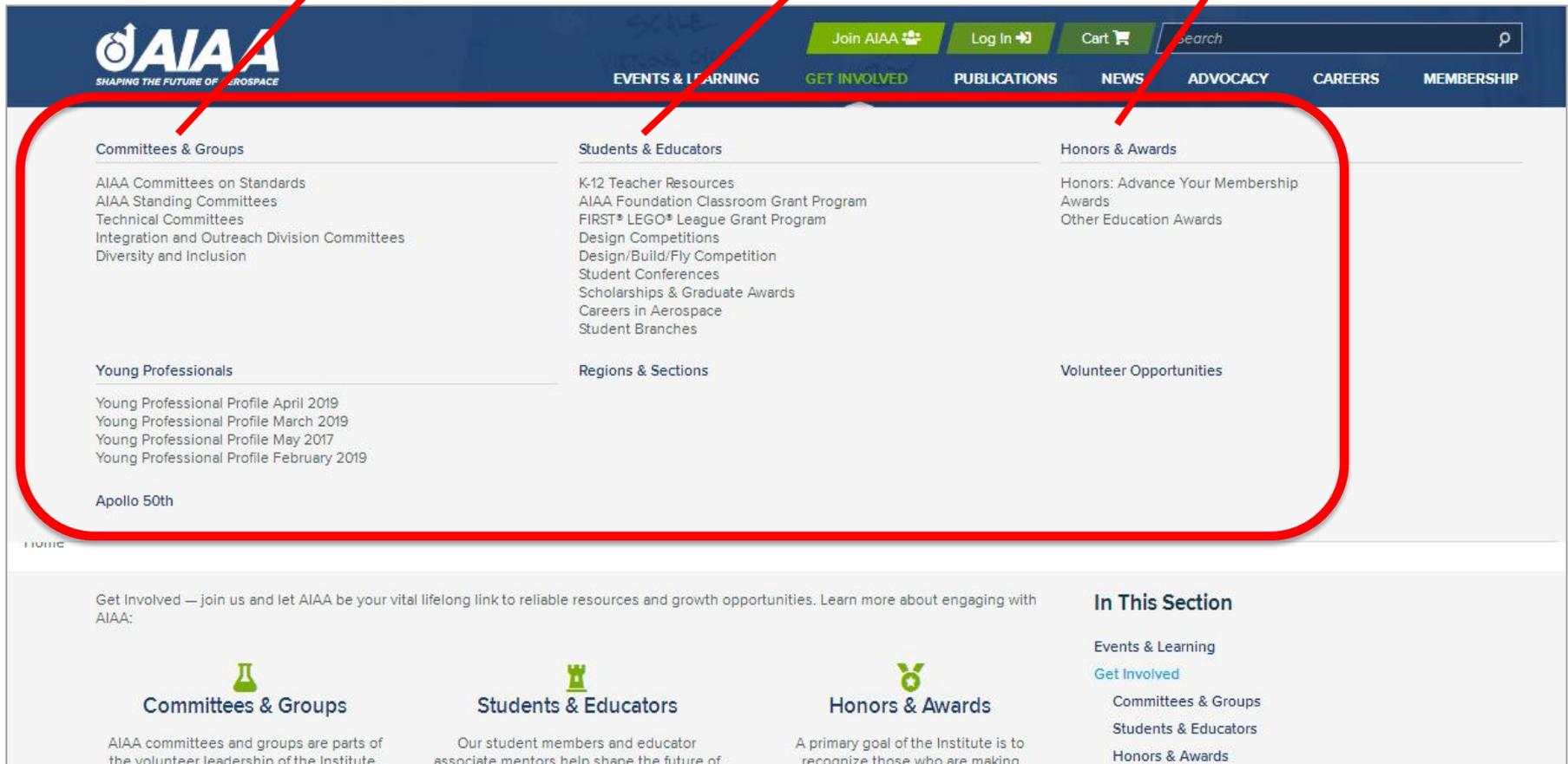
新闻稿 / 最新业内信息
/ AIAA消息 / AIAA会员信
息 / 新闻资讯

行业动态

委员会信息

教育信息

荣誉奖项



AIAA
SHAPING THE FUTURE OF AEROSPACE

Join AIAA Log In Cart Search

EVENTS & LEARNING GET INVOLVED PUBLICATIONS NEWS ADVOCACY CAREERS MEMBERSHIP

Committees & Groups

- AIAA Committees on Standards
- AIAA Standing Committees
- Technical Committees
- Integration and Outreach Division Committees
- Diversity and Inclusion

Young Professionals

- Young Professional Profile April 2019
- Young Professional Profile March 2019
- Young Professional Profile May 2017
- Young Professional Profile February 2019

Apollo 50th

Students & Educators

- K-12 Teacher Resources
- AIAA Foundation Classroom Grant Program
- FIRST® LEGO® League Grant Program
- Design Competitions
- Design/Build/Fly Competition
- Student Conferences
- Scholarships & Graduate Awards
- Careers in Aerospace
- Student Branches

Regions & Sections

Honors & Awards

- Honors: Advance Your Membership Awards
- Other Education Awards

Volunteer Opportunities

Get Involved — join us and let AIAA be your vital lifelong link to reliable resources and growth opportunities. Learn more about engaging with AIAA:

Committees & Groups

AIAA committees and groups are parts of the volunteer leadership of the Institute.

Students & Educators

Our student members and educator associate mentors help shape the future of

Honors & Awards

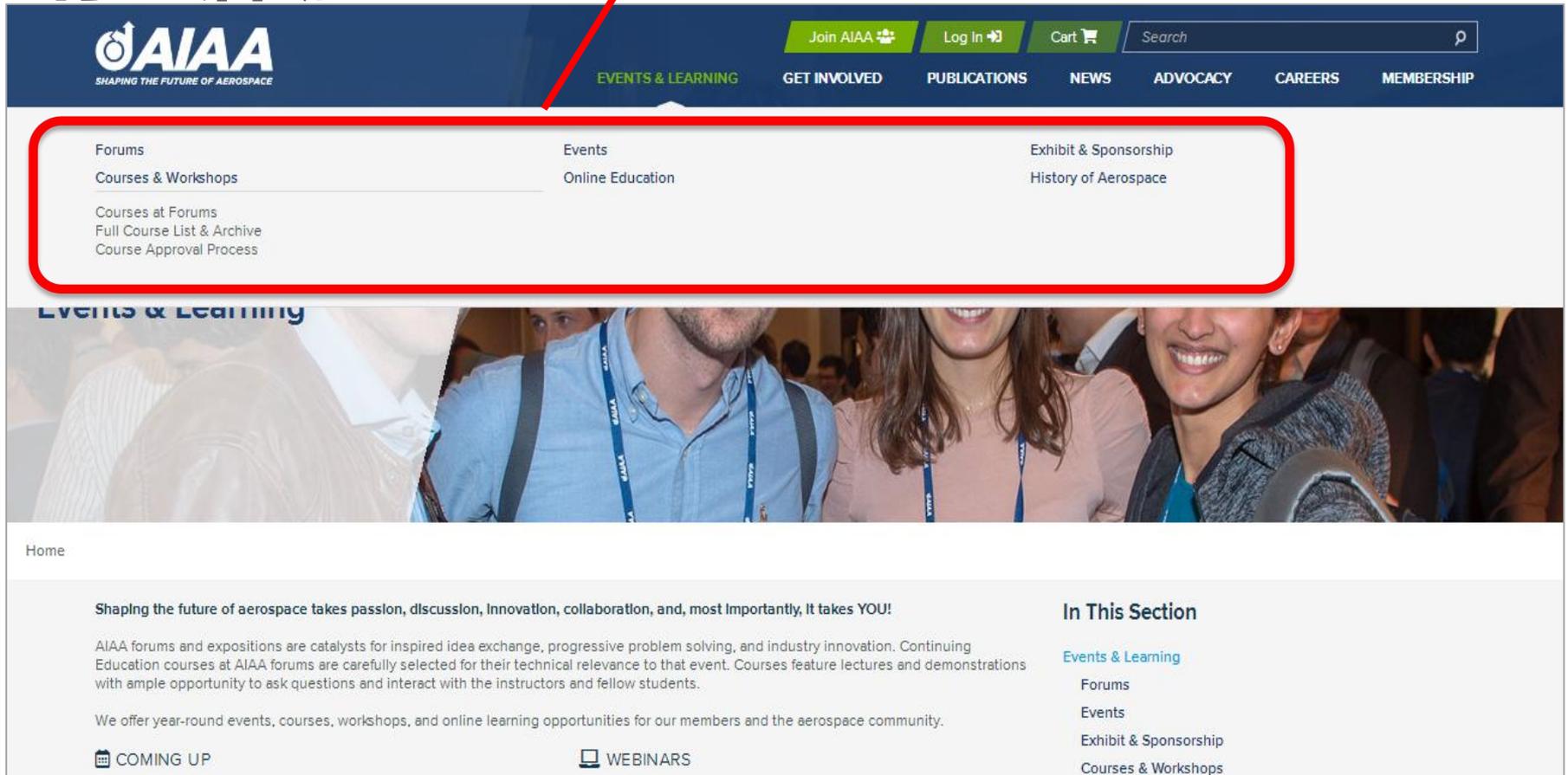
A primary goal of the Institute is to recognize those who are making

In This Section

- Events & Learning
- Get Involved
- Committees & Groups
- Students & Educators
- Honors & Awards

按不同类型查看行业活动

行业活动



AIAA
SHAPING THE FUTURE OF AEROSPACE

Join AIAA Log In Cart Search

EVENTS & LEARNING GET INVOLVED PUBLICATIONS NEWS ADVOCACY CAREERS MEMBERSHIP

Forums
Courses & Workshops
Courses at Forums
Full Course List & Archive
Course Approval Process

Events
Online Education

Exhibit & Sponsorship
History of Aerospace

Home

Shaping the future of aerospace takes passion, discussion, innovation, collaboration, and, most importantly, it takes YOU!

AIAA forums and expositions are catalysts for inspired idea exchange, progressive problem solving, and industry innovation. Continuing Education courses at AIAA forums are carefully selected for their technical relevance to that event. Courses feature lectures and demonstrations with ample opportunity to ask questions and interact with the instructors and fellow students.

We offer year-round events, courses, workshops, and online learning opportunities for our members and the aerospace community.

COMING UP WEBINARS

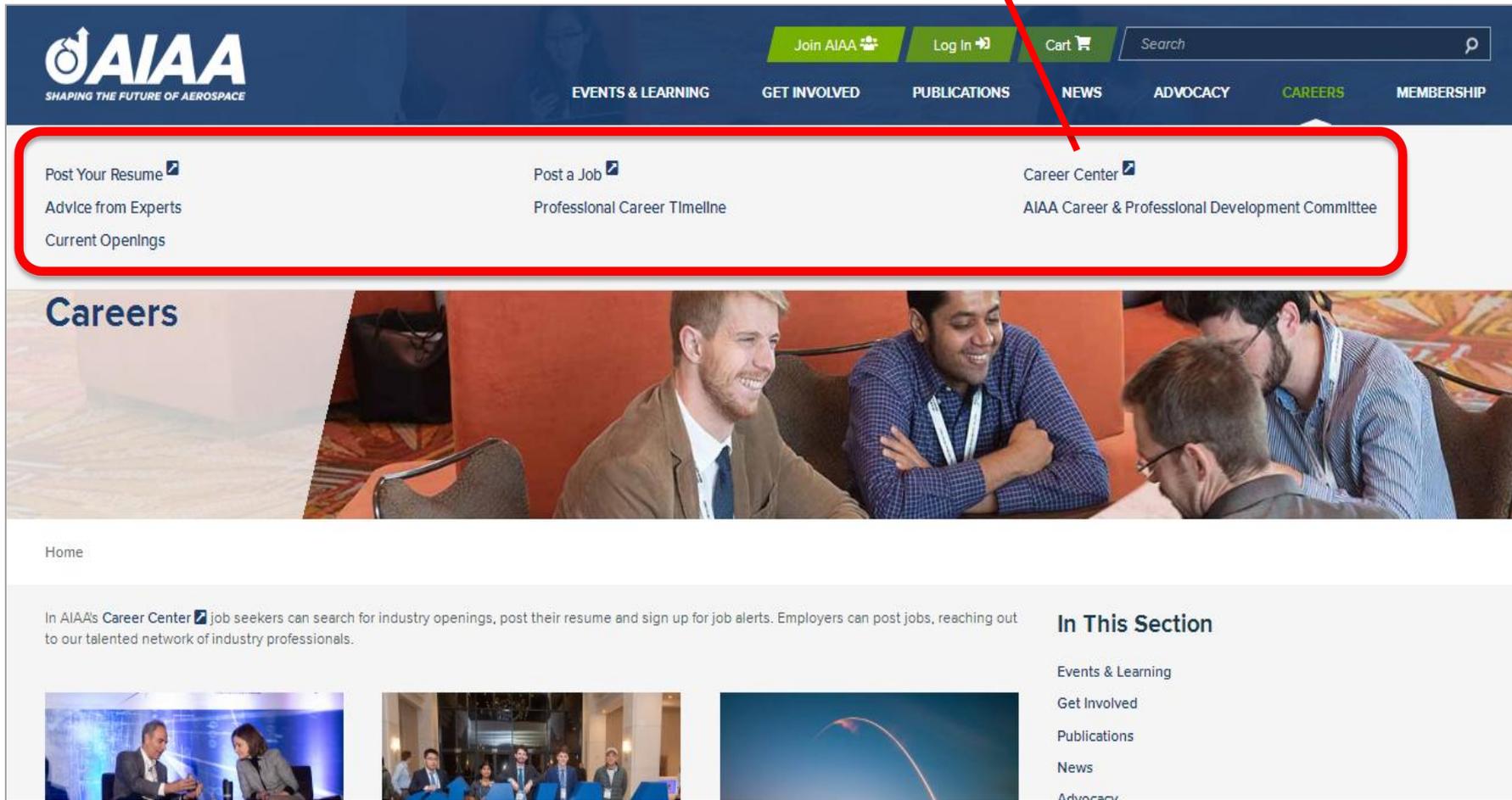
In This Section

Events & Learning

- Forums
- Events
- Exhibit & Sponsorship
- Courses & Workshops

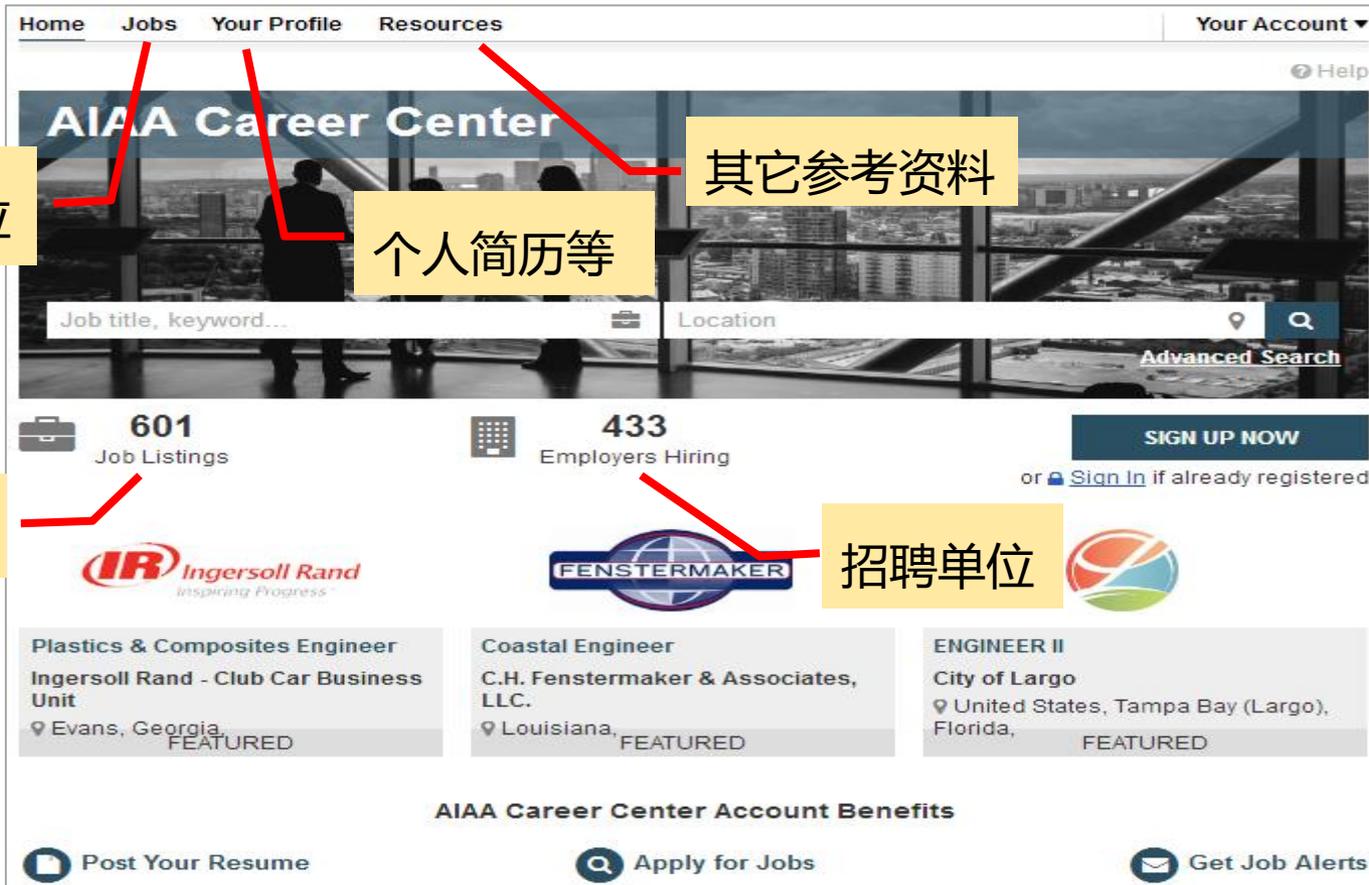
职业发展

职业中心



The screenshot shows the AIAA Career Center website. The top navigation bar includes links for "EVENTS & LEARNING", "GET INVOLVED", "PUBLICATIONS", "NEWS", "ADVOCACY", "CAREERS", and "MEMBERSHIP". The "CAREERS" link is highlighted in green. Below the navigation bar, a red box highlights the "Career Center" link, which is accompanied by a red arrow pointing from the "职业中心" label. Other links in the red box include "Post Your Resume", "Advice from Experts", "Current Openings", "Post a Job", "Professional Career Timeline", and "AIAA Career & Professional Development Committee". The main content area features a "Careers" section with a large image of three people in a meeting. Below this, there is a "Home" section with a brief description of the Career Center and a list of "In This Section" items: "Events & Learning", "Get Involved", "Publications", "News", and "Advocacy".

AIAA Career Center (职业中心)



The screenshot shows the AIAA Career Center website interface. At the top, there is a navigation bar with links for Home, Jobs, Your Profile, Resources, and Your Account. Below the navigation bar is a large banner area with the text "AIAA Career Center" and a search bar. The search bar has a placeholder "Job title, keyword..." and a "Location" field. Below the search bar, there are statistics: "601 Job Listings" and "433 Employers Hiring". There is a "SIGN UP NOW" button and a link to "Sign In if already registered". Below the statistics, there are three featured job listings with logos for Ingersoll Rand, Fenstermaker, and City of Largo. At the bottom, there are three buttons: "Post Your Resume", "Apply for Jobs", and "Get Job Alerts".

提供的职位

其它参考资料

个人简历等

职位列表

招聘单位

Home Jobs Your Profile Resources

职位搜索

Search Browse Explore Your Job Alerts Your Saved Jobs

Keywords Location **SEARCH JOBS**

602 Jobs Sort By Newest

Assistant Professor - Dynamics and Controls - Aerospace Engineering and Engineering Mechanics University of Cincinnati	Cincinnati, Ohio, 1 Week Ago	
Research Analyst - Air Warfare Radar The Institute for Defense Analyses	Alexandria, Virginia, 2 Weeks Ago	
Research Analyst - Air Warfare IRST The Institute for Defense Analyses	Alexandria, Virginia, 2 Weeks Ago	
Research Analyst - Air Warfare StratCom The Institute for Defense Analyses	Alexandria, Virginia, 2 Weeks Ago	
Research Analyst - Air Warfare LO The Institute for Defense Analyses	Alexandria, Virginia, 2 Weeks Ago	

职位信息列表

Assistant Professor - Dynamics and Controls - Aero and Engineering Mechanics

University of Cincinnati



职位详情

Assistant Professor – Dynamics and Controls Department of Aerospace Engineering and Engineering Mechanics College of Engineering and Applied Science (CEAS) University of Cincinnati

The Department of Aerospace Engineering and Engineering Mechanics (AEEM) at the University of Cincinnati, located in Cincinnati, Ohio invites applications for a tenure track position at the level of Assistant Professor in the area of Dynamics and Controls.

The Department of Aerospace Engineering and Engineering Mechanics offers a fully ABET-accredited five-year B.S. degree in aerospace engineering with a mandatory co-op program and M.S. and PhD degrees in both Aerospace Engineering and Engineering Mechanics. In addition, the Department has an Accelerated Engineering Degree (ACCEND) program where highly motivated students can get both B.S and M.S. or B.S. and M.B.A. degrees in five years and one semester.

The primary responsibility of the Assistant Professor will be teaching selected aerospace engineering courses to CEAS undergraduate and/or graduate students at UC, including but not limited to: Optimal Control, Modeling and Simulation of Physical Systems, Analytical Dynamics, Fundamental Controls, and Systems Engineering.

Application

First Name

Last Name

Email

CONTINUE TO APPLICATION ↗

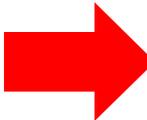
By using this feature you agree to our
[Terms and Conditions](#) and [Privacy Policy](#)

Details

Posted:
April 12, 2019

Location:
Cincinnati, Ohio

职位申请



UNIVERSITY OF Cincinnati

Thanks for showing interest in our Assistant Professor - Dynamics and Controls job.
Step 1: Enter your info to join our candidate community.
Step 2: Click "Next" to apply for the selected job.

Profile Information
Already a member? [Sign in](#)

Email*

Create Password*

Confirm Password*

First Name*

Last Name*

Phone Number*

Current Employer

Current Title*

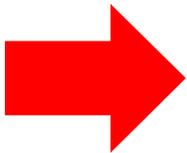
Interest Level

It is ok if a recruiter contacts me with open jobs

* required field

Job Alerts

Job Alerts	Frequency	Delete
Assistant Professor - Dynamics and Controls, Cincinnati	7	



申请职位需注册填写
邮箱/密码/姓名/电话
/现任职位等信息

可设置提醒
功能

合理使用

- 请合理使用资源，注意知识产权的保护。
- 请不要使用下载软件进行下载，请不要进行系统性批量下载。



**AIAA系列数据库 在国内由iGroup公司代理，
请就近联系以下iGroup各代表处。**

上海：上海市斜土路2899号甲B栋601室
(光启文化广场)
Tel: 021-64454595

北京：海淀区知春路1号学院国际
大厦1213室 (100083)
Tel: 010-82331971

西安：陕西省西安市碑林区长安路长
安大街3号1号楼-A座-2207(710061)
Tel: 029-89353458

广州：越秀区建设六马路29号荣建
大厦23楼G室 (510060)
Tel: 020-83630345

更多内容，请访问 www.igroup.com.cn

iGroup服务

iGroup信息服务



“iGroup信息服务”微信公众号是国内最受欢迎的学术图书馆员职业培训和互动交流平台之一。

学术猫



“学术猫”微信公众平台专注于为学术研究者提供信息检索、讲座培训以及论文写作投稿与就业方面的知识经验。