



# IEEE CS Digital Library 使用指南

THE COMMUNITY FOR TECHNOLOGY LEADERS

## 目录 CONTENTS

01

关于IEEE CS

02

IEEE CS数据库内容与研究领域

03

IEEE CS重点期刊介绍

04

IEEE CS数据库平台的使用

05

iGroup公司提供的服务



01

## 关于IEEE CS

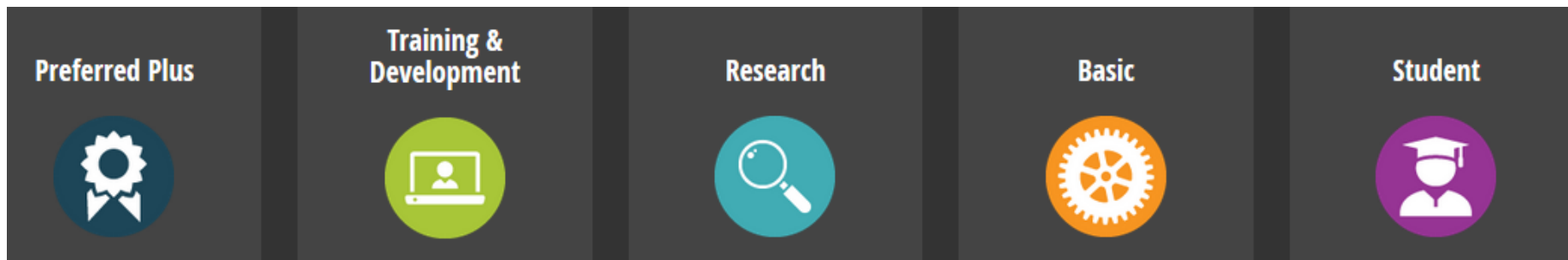
- IEEE Computing Society (简称IEEE CS计算机学会)成立于1946年，是世界上最早和最大的计算机专业人士的学会，是IEEE（电气电子工程师学会）旗下39个专业学会中最大的一家。

- **宗旨：**推进计算机和数据处理技术的理论和实践的发展，为全球计算机专业人士提供最可靠和丰富的前沿资讯。



## IEEE CS计算机学会提供的服务

- 在全世界有157 个学生分会和176个专业分会。
- 在教育活动方面有课程大纲设计、学术评估和继续教育服务



- 设有标准化委员会，负责制定技术标准。
- 每年召开的专业国际会议超过150个，并出版相应出版物

02

## IEEE CS 数据库资源内容

40种计算机核心  
刊物



1种快报



80万+专业  
文章和论文



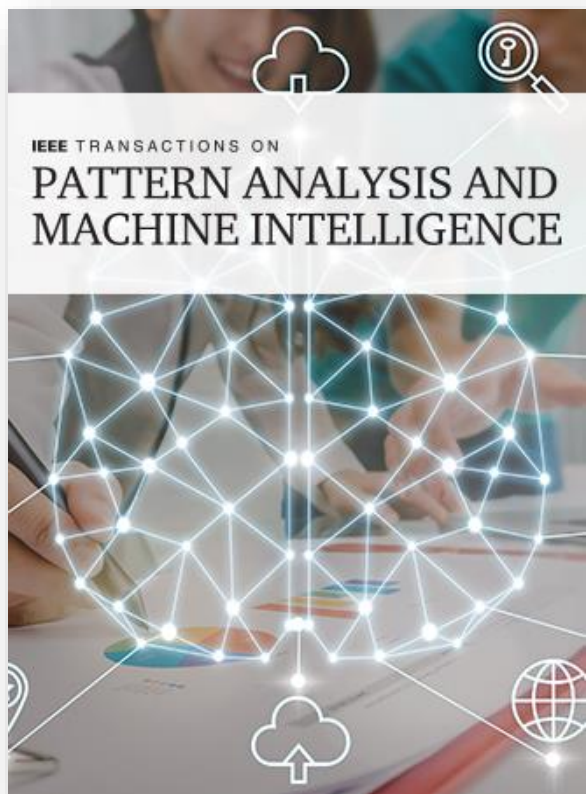


## 研究领域

The Knowledge Tech Professionals Need to Succeed

## COMPUTER SOCIETY DIGITAL LIBRARY

- Security (网络安全)
- Big Data (大数据)
- Cloud Computing (云计算)
- DevOps (开发与运维)
- Artificial Intelligence (人工智能)
- Internet of Things (物联网)
- 3D Printing (3D 打印)
- Mobile (移动)
- Wearables (可穿戴设备)
- .....



## IEEE CS数据库重点刊物介绍 (1)

### *IEEE Transactions on Pattern Analysis & Machine Intelligence*

《IEEE图样分析与机器智能汇刊》

- 刊载内容包含所有计算机传统领域的视觉和图象范畴，所有传统领域内的图样分析和有针对性的领域内的机器智能等方面的研究成果。
- 1992年创刊，每年出版12期；

➤ 2019年影响因子17.861，**在计算机人工智能领域排名第一**





## IEEE CS数据库重点刊物介绍 (2)

### *IEEE Transactions on Dependable and Secure Computing*

《IEEE可靠与安全计算汇刊》

- 刊载关于计算系统的操作性、安全性和强制可靠性的测量方法、建模、模拟技术、检验和规划等方面的研究成果。
- 2004年创刊，每年出版4期；

➤ 2019年影响因子6.864，**在计算机软件领域排名第三**





## IEEE CS数据库重点刊物介绍 (3)

### *IEEE Transactions on Services Computing*

《IEEE服务计算汇刊》

- 刊载服务计算中的核心算法，数学，统计和计算方法等文章；面向服务架构、Web服务，业务流程集成，解决方案绩效管理，服务运营和管理的新兴领域。
- 2008年创刊，每年出版4期；

➤ 2019年影响因子5.823，**在计算机软件工程领域排名第6位**

## IEEE CSDL国际站平台全新升级



Jobs Tech News Resource Center Press Room Advertising About Us Cart



My Subscriptions Magazines Journals Conference Proceedings Institutional Subscriptions

All ▾



Advanced Search

Log In

# Your New Research Discovery Platform

Browse more than 700k articles on advanced computing topics

Magazines

Journals

Conference Proceedings

A Review on Mobile Technologies: 3G, 4G and 5G

E. Ezhilarasan, +1 more

Using 5G Technologies in the Internet of Things Handovers, Problems and Challenges

Borja Bordel Sanchez, +2 more

Self-organizing maps for multi-objective pareto frontiers

Shahar Chen, +6 more

访问网址: <https://www.computer.org/csdl/>

## 1. IEEE CSDL 国际站首页

### Your New Research Discovery Platform

Browse more than 700k articles on advanced computing topics

Magazines

Journals

Conference Proceedings

按杂志、期刊、会议录分类浏览

An Introduction to RFID Technology

Roy Want

⚡ Popular

Convolutional neural networks applied to house numbers digit classification

Pierre Sermanet, +2 more

⚡ Popular

Belief and Evidence: How Software Engineers Form Their Opinions

Prem Devanbu, +2 more

⚡ Popular



Latest Articles

最新发布的文章

Aspect-Oriented Modeling of Technology Heterogeneity in Microservice Architecture

by Florian Rademacher, Sabine Sachweh, Albert Zundorf

A Budding Romance: Finance and AI

by Xiao-Ping Steven Zhang, David Kedney

Machine Learning Based Trust Computational Model for IoT Services

by Upul Jayasinghe, Gyu Myoung Lee, Tai-Won Um, Qi Shi

How Learners' Interactions Sustain Engagement: A MOOC Case Study

by Ayse Saliha Sunar, Su White, Nor Aniza Abdullah, Hugh C. Davis

A General Method to Determine Asymptotic Capacity Upper Bounds for Wireless Networks

Trending

An Introduction to RFID Technology

Roy Want

Convolutional neural networks applied to house numbers digit classification

Pierre Sermanet, +2 more

Belief and Evidence: How Software Engineers Form Their Opinions

Prem Devanbu, +2 more

Easy generation of personal Chinese handwritten fonts

Baoyao Zhou, +2 more

Two Decades of Recommender Systems at Amazon.com

Brent Smith, +1 more

Q Popular Search Terms

热门的检索字段

Accessibility

AI

Autonomous Vehicles

Big Data

Blockchain

Cyberthreats



iGroup

For all your information needs

## 2. 按杂志、期刊进行分类浏览

My Magazine Subscriptions

Filter Subscriptions by Title



Computer

Browse

Download ▾

浏览或者整本下载



Computing in Science and Engineering

Browse

Download ▾



IEEE Annals of the History of Computing

Browse

Download ▾



IEEE Cloud Computing

Browse

Download ▾



IEEE Computer Graphics and Applications

Browse

Download ▾



IEEE Concurrency

Browse

Download ▾



IEEE Design and Test

Browse

Download ▾



IEEE Distributed Systems Online

Browse

Download ▾



IEEE Intelligent Systems



IEEE Internet Computing



IEEE Micro



IEEE Multimedia

## 3. 进入期刊/杂志主页

The screenshot displays the IEEE Computer magazine website. The top navigation bar includes 'Home', 'Current Issue', 'Past Issues', 'About', and 'Write for Us'. The 'Current Issue' link is highlighted with a red box. Below the navigation bar is a large banner for the 'Computer' journal, Volume 52, Issue 4, April 2019. A red arrow points to the 'Download Issue' button, with the Chinese text '最新一期' (Latest Issue) next to it. Below the banner, there are sections for 'Take a Look Inside' (Table of Contents, Masthead) and 'OPEN ACCESS' articles. A 'Call for Papers' section lists various topics like Smart Autonomous Systems and Cybersecurity. A 'Trending' section lists articles like 'Doing Business in China' and 'Discovering JavaScript Object Notation'. On the right side, there is an 'Announcements' section with a bell icon. Below the main content, there is a section for 'From the April 2019 Issue: The Path Across the Great Deep' and 'Latest Articles' including 'Educational and Workforce Cybersecurity Frameworks: Comparing...' and 'Software Systems With Antifragility to Downtime'. A red arrow points to the 'Past Issues' link in the navigation bar, with the Chinese text '以往的刊次' (Previous Issues) next to it. Below this, a 'Past Issues' section shows a grid of magazine covers from 2019, including 'OUTLOOK', 'HOLDING US TOGETHER', 'CURRICULAR FOUNDATIONS FOR CYBERSECURITY', and 'THE PATH ACROSS THE GREAT DEEP'. The bottom right corner features the iGroup logo and tagline 'For all your information needs'.

最新一期

以往的刊次



## 5. 快速检索：检索栏可输入作者姓名、会议录标题或简称和DOI号

以“cybersecurity”为关键字在“ALL”中快速检索，各页面均有快速检索框

The screenshot displays the IEEE Computer Society Digital Library website. At the top left is the IEEE logo and the text "IEEE COMPUTER SOCIETY DIGITAL LIBRARY". The top navigation bar includes links for "Jobs", "Tech News", "Resource Center", "Press Room", "Advertising", "About Us", and "Cart". On the right side of the navigation bar are the IEEE logo and the IEEE Computer Society logo. Below the navigation bar, there are links for "My Subscriptions", "Magazines", "Journals", "Conference Proceedings", and "Institutional Subscriptions". A search bar is prominently featured, containing the text "cybersecurity" and a magnifying glass icon. The search bar is labeled "快速检索框" (Quick Search Box). A dropdown menu is open below the search bar, listing "All", "Author", "Conference", and "DOI". To the right of the search bar, there is a link for "Advanced Search" and a user profile icon labeled "iGroup Access". Below the search bar, there is a banner for "Keep Your Career Options Open" with the text "Upload your resume to the IEEE Computer Society Jobs Board" and an image of three people. The main content area features the text "Your New Research Discovery Platform" and "Browse more than 700k articles on advanced computing topics". A button labeled "Access My Subscriptions" is located at the bottom left of the main content area.



## 6. 检索结果页面：显示更多筛选项并可预览摘要

Results 1-10 of 729 from the entire library **cybersecurity** x **检索结果及显示数量**

Filter results

**二次检索区**

- Category
  - Conference Publications (441)
  - Magazines (279)
  - Journals (11)
- Year
  - Single Year
  - Range of Years

1960 ————— 2019
- Publications
  - IEEE Security & Privacy (155)
  - Computer (49)
  - 2009 Cybersecurity Applications & Technology Conference for Homeland Security. CATCH 2009 (46)
  - IT Professional (39)
  - 2018 IEEE Cybersecurity Development (SecDev) (37)
  - International Conference on Cyber Security (CyberSecurity) (34)
  - 2016 Cybersecurity and Cyberforensics Conference (CCC) (30)
  - 2017 IEEE Cybersecurity Development (SecDev) (26)
  - 2016 IEEE Cybersecurity Development (SecDev) (21)
  - 2016 Cybersecurity Symposium (CYBERSEC) (16)
  - [More](#)

**Export** → 导出选中的检索结果基本信息, CSV格式

Limit 10 | Show Relevance

- Cybersecurity**  
Richard A. Kemmerer  
**Conference** Software Engineering, International Conference on  
Year: 2003, Volume: 1, Pages: 705  
- Abstract Citation -  
As a consequence, *cybersecurity* issues have become national security issues. Protecting the Internet is a difficult task. *Cybersecurity* can be obtained only through development; it can not be achieved through haphazard seat-of-the-pants methods. Applying software en...[View More](#)
- Toward Effective Cybersecurity Education**  
Andrew McGettrick  
**Magazine** IEEE Security & Privacy  
Year: 2013, Volume: 11, Issue: 06, Pages: 66-68  
- Abstract Citation - → **显示摘要**  
A February 2013 workshop addressed the challenges of higher education in *cybersecurity*. The participants discussed what advice to offer regarding the methods to produce graduates of the highest caliber who will become the leading *cybersecurity* professionals.[View More](#)
- Demythifying Cybersecurity**  
Deborah Frincke, Matt Bishop, Edward B. Talbot  
**Magazine** IEEE Security & Privacy  
Year: 2010, Volume: 8, Issue: 03, Pages: 56-59  
+ Abstract Citation -
- Useful Cybersecurity Metrics**

## 7. 在一次检索结果中输入检索词进行再次检索，精简检索结果

比如，在二次检索区输入“cloud”，文献类型选“Magazine”得出自己所需的精简结果

Results 1-10 of 10 from the entire library **cybersecurity** ✕ Advanced Search

**Filters:** **cloud** ✕  
**Categories:** **Magazines** ✕

cloud ▼

**检索条件显示区，选择点击“x”，可取消检索限制**

[Export](#) Limit 10 ▼ | Show Relevance ▼ | Show All Publications ▼

**Cybersecurity Education and Assessment in EDURange** **点击进入文章**  
Richard Weiss, Franklyn Turbak, Jens Mache, Michael E. Locasto  
**Magazine** IEEE Security & Privacy  
Year: 2017, Volume: 15, Issue: 03, Pages: 90-95  
- Abstract Citation -  
EDURange, a *cloud*-based platform, uses *cybersecurity* exercises to help undergraduates develop analytical abilities and a security mindset.[View More](#)

**Try-CybSI: A Platform for Trying Out Cybersecurity**  
Baijian Justin Yang, Brian Kirk  
**Magazine** IEEE Security & Privacy  
Year: 2016, Volume: 14, Issue: 04, Pages: 74-75  
- Abstract Citation -  
The IEEE *Cybersecurity* Initiative developed a user-friendly, *cloud*-based, interactive platform for hosting tools and demonstrations: Try-CybSI. The goal is to help practitioners and students gain practical familiarity with tools and widespread attacks' behavior.[View More](#)


**Fratricide [on cybersecurity issues]**  
Daniel E. Geer Jr.  
**Magazine** IEEE Security & Privacy  
Year: 2010, Volume: 8, Issue: 03, Pages: 87-88  
+ Abstract Citation -

**Category**  
 Conference Publications (23)  
 Magazines (10)  
 Journals (2)

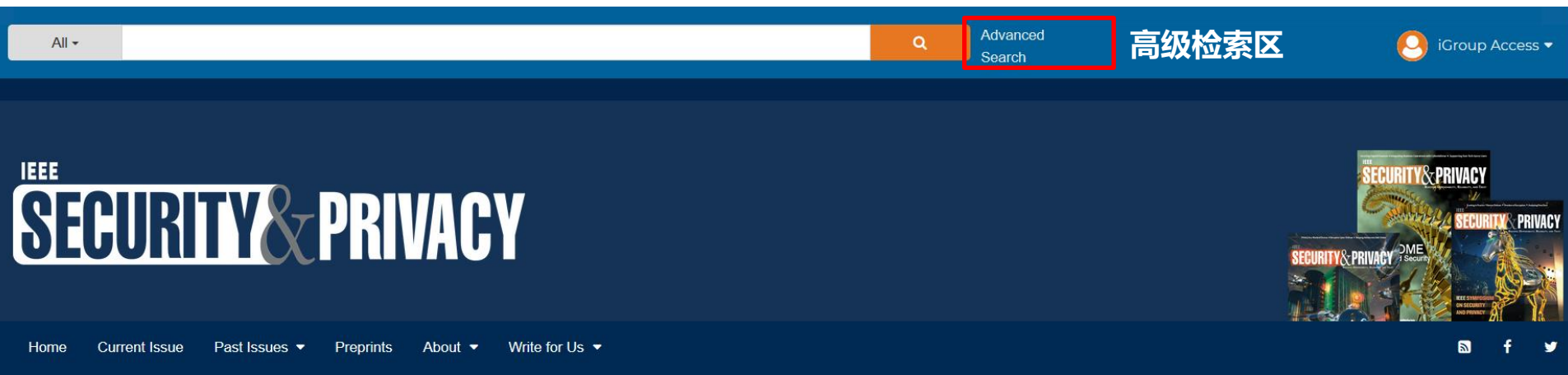
**Year**  
 Single Year  
 Range of Years  
1960 2019

**Publications**  
Name  
 IEEE Security & Privacy (4)  
 IT Professional (4)  
 Computer (1)  
 IEEE MultiMedia (1)

**Authors**  
Name



## 8. 进入检索结果文章页面，下载全文、导出引文一目了然



[Download](#) [References](#) [Export Citation](#)

[下载全文](#) [导出引文](#)

[Home](#) / [Magazines](#) / [IEEE Security and Privacy](#) / [2017.03](#)

### Cybersecurity Education and Assessment in EDURange

May/June 2017, pp. 90-95, vol. 15

DOI Bookmark: [10.1109/MSP.2017.54](https://doi.org/10.1109/MSP.2017.54)

#### Keywords

Computer Science Education, Computer Security, Cloud Computing, Computer Hacking, Education, Security, Cybersecurity, Cloud, EDU Range, Hacker Curriculum

#### Authors

[Richard Weiss](#), The Evergreen State College

建立了更优化的检索词索引



文章所在的杂志

## 9. 进入全文文章，选择打印或者下载



打印  
下载

### EDUCATION

Editors: Melissa Dark, dark@purdue.edu | Jelena Mirkovic, mirkovic@isi.edu

## Cybersecurity Education and Assessment in EDURange

Richard Weiss | The Evergreen State College  
Franklyn Turbak | Wellesley College  
Jens Mache | Lewis & Clark College  
Michael E. Locasto | SRI



and instructor perspectives. EDURange has the following qualities:

- It's engaging. Students from various backgrounds can learn practical security concepts, tools, and skills in puzzle-like scenarios involving realistic challenges.
- Scaffolding and assessment support students in achieving learning objectives.
- It's easy for students and instructors to use. Scenarios run on VMs created in Amazon Cloud using scripts. Students don't need special software—EDURange can be used anywhere with Internet service. Instructors register their students, often grouping them into teams with accounts on the same VM, which facilitates collaboration. The EDURange system collects data to make assessment easier.

## 10. 一键开启高级检索，限定检索条件、定位精准结果

The screenshot displays the IEEE Digital Library search interface. At the top, the navigation bar includes links for Jobs, Tech News, Resource Center, Press Room, Advertising, About Us, and Cart. Below this, there are links for My Subscriptions, Magazines, Journals, Conference Proceedings, and Inst. The main search area features a search bar with the text 'cybersecurity' and a dropdown menu for search criteria. The dropdown menu is open, showing options: 'in Anything', 'in Document Title', 'in Document Content', 'in Abstract', 'in Authors', 'in Keywords', 'in Publication Title', 'in DOI', 'in ISBN', and 'in ISSN'. A red box highlights the dropdown menu and a list of search criteria on the right. The list includes: 1. 所有范围内, 2. 文档标题, 3. 文档内容, 4. 文摘, 5. 作者, 6. 关键字, 7. 出版物名称, 8. DOI号, 9. ISBN, and 10. ISSN. A red arrow points from the 'in Anything' option to the '10. ISSN' option. Below the search bar, there are four rows of search criteria, each with an 'AND' button and a 'Keywords, etc.' input field. At the bottom, there are buttons for '+', '10', and 'ISSN'. A red arrow points from the '10' button to the text '增加或者减少检索条件'.

Advanced Search ⓘ

cybersecurity

AND Keywords, etc.

AND Keywords, etc.

AND Keywords, etc.

AND Keywords, etc.

Results 1-10 of 747,593 from the entire library

增加或者减少检索条件

| [Export](#)

Limit 10 ▾ | [Show Relevance ▾](#)

Category

- Conference Publications (654141)
- Journals (53826)
- Magazines (42089)
- Letters (439)

**Delay minimal decomposition of multiplexers in technology mapping**

S. Thakur, D.F. Wong, S. Krishnamoorthy

**Conference** Design Automation Conference

Year: 1996, Volume: 1, Pages: 254,255,256,257

**+ Abstract** Citation ▾

Year





## 05

## iGroup公司提供的服务

- **使用统计**  
iGroup有专业的客服人员根据您的要求提供符合COUNTER标准的数据库使用统计
- **讲座培训**  
iGroup提供中文使用指南，并根据您的要求进行数据库资源内容/检索平台/检索技巧的培训；  
数据库有新内容或新功能，iGroup会发送邮件告知
- **访问故障**  
iGroup有专业的客服人员为您解决日常使用中发生的问题，包括日常维护、排除故障、IP更新等事宜