



IEEE CS Digital Library 使用指南

THE COMMUNITY FOR TECHNOLOGY LEADERS

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关于IEEE CS

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iGroup公司提供的服务



关于 **01** CS

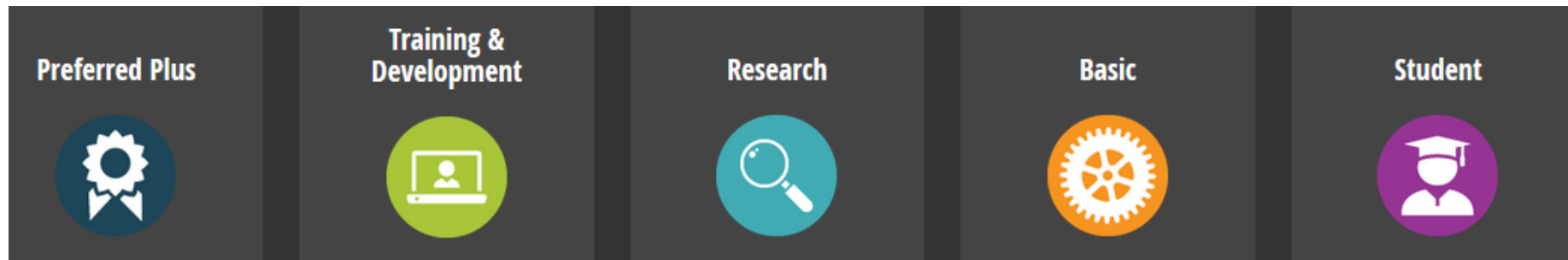
- IEEE Computing Society (简称IEEE CS计算机学会)成立于1946年，是世界上最早和最大的计算机专业人士的学会，是IEEE（电气电子工程师学会）旗下39个专业学会中最大的一家。

- **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

IEEE 02 数据库资源内容

42种计算机核心刊物



2种快报



950+会议、10,000+卷议录



89万+专业文章和论文



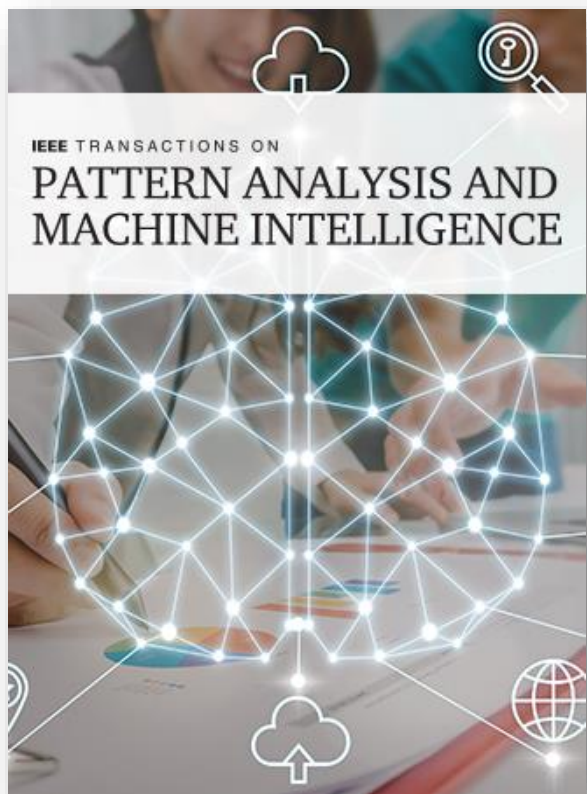


The Knowledge Tech Professionals Need to Succeed

COMPUTER SOCIETY DIGITAL LIBRARY

研究领域

- 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；

➤ 2022年影响因子23.6，**在计算机人工智能、电子电气领域排名第二**

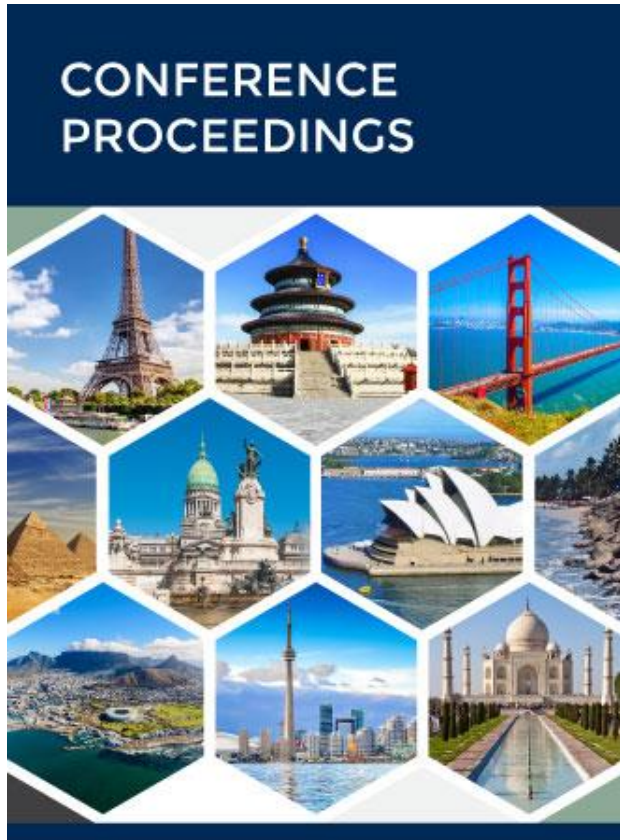


IEEE CS数据库重点刊物介绍 (2)

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；
- 2022年影响因子8.1，**在计算机软件工程领域排名第4位**



IEEE CS 会议录

IEEE CS每年召开的专业国际会议超过150个，目前共有会议950+，收录会议论文超过9000卷

知名举例：

International Conference on Big Data and Smart Computing 大数据和智能计算会议

International Symposium on Performance Analysis of Systems and Software 系统和软件性能分析国际研讨会

IEEE Conference on Data Engineering IEEE数据工程会议

IEEE Real-Time and Embedded Technology and Applications
IEEE实时嵌入式技术及应用

.....

04

IEEE CSDL 国际站平台全新升级

The screenshot shows the IEEE CSDL Digital Library website. The top navigation bar includes links for Jobs, Tech News, Resource Center, Press Room, Advertising, About Us, and Cart. The main header features the IEEE Computer Society logo and the text 'DIGITAL LIBRARY'. Below the header is a search bar with a dropdown menu set to 'All', a search button, and a 'Log In' button. The main content area has a large heading 'Your New Research Discovery Platform' and a sub-heading 'Browse more than 700k articles on advanced computing topics'. Three buttons are visible: 'Magazines', 'Journals', and 'Conference Proceedings'. Below this are three article preview cards. The first card is titled 'A Review on Mobile Technologies: 3G, 4G and 5G' by E. Ezhilarasan, +1 more. The second card is titled 'Using 5G Technologies in the Internet of Things Handovers, Problems and Challenges' by Borja Bordel Sanchez, +2 more. The third card is titled 'Self-organizing maps for multi-objective pareto frontiers' by 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 Kedmey

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



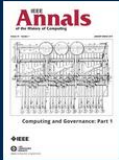








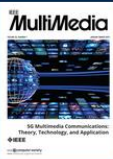
Two Decades of Recommender Systems at Amazon.com
Brent Smith, +1 more

Popular Search Terms 热门的检索字段

Accessibility AI Autonomous Vehicles Big Data Blockchain Cyberthreats

2. 按杂志、期刊进行分类浏览

My Magazine Subscriptions Filter Subscriptions by Title

 <p>Computer</p> <p>APRIL 2019</p>	 <p>Computing in Science and Engineering</p> <p>MAY-JUNE 2019</p>	 <p>IEEE Annals of the History of Computing</p> <p>JAN-MARCH 2019</p>	 <p>IEEE Cloud Computing</p> <p>NOV-DEC 2019</p>
<p>Computer</p> <p>Browse Download 浏览或者整本下载</p>	<p>Computing in Science and Engineering</p> <p>Browse Download</p>	<p>IEEE Annals of the History of Computing</p> <p>Browse Download</p>	<p>IEEE Cloud Computing</p> <p>Browse Download</p>
 <p>IEEE Computer Graphics and Applications</p> <p>MAY-JUNE 2019</p>	 <p>IEEE Concurrency</p> <p>OCTOBER-DECEMBER 2019</p>	 <p>IEEE Design and Test</p> <p>DECEMBER 2014</p>	 <p>IEEE Distributed Systems Online</p> <p>DECEMBER 2019</p>
<p>IEEE Computer Graphics and Applications</p> <p>Browse Download</p>	<p>IEEE Concurrency</p> <p>Browse Download</p>	<p>IEEE Design and Test</p> <p>Browse Download</p>	<p>IEEE Distributed Systems Online</p> <p>Browse Download</p>
 <p>IEEE Intelligent Systems</p> <p>JAN-FEB 2019</p>	 <p>IEEE Internet Computing</p> <p>MARCH-APRIL 2019</p>	 <p>IEEE Micro</p> <p>MARCH-APRIL 2019</p>	 <p>IEEE Multimedia</p> <p>JAN-MARCH 2019</p>
<p>IEEE Intelligent Systems</p>	<p>IEEE Internet Computing</p>	<p>IEEE Micro</p>	<p>IEEE Multimedia</p>

3. 进入期刊/杂志主页

The image shows a screenshot of the IEEE Computer magazine website. The top navigation bar includes links for Home, Current Issue, Past Issues, About, and Write for Us. The 'Current Issue' and 'Past Issues' links are highlighted with red boxes. Below the navigation bar, there is a large banner for the 'Computer' magazine, Volume 52, Issue 4, April 2019. A red arrow points to the 'Current Issue' link with the Chinese text '最新一期' (Latest Issue). Below the banner, there is a section for 'Latest Articles' with two articles listed: 'Educational and Workforce Cybersecurity Frameworks: Comparing...' by Matthew Hudnall, and 'Software Systems With Antifragility to Downtime' by Kjeil J. Hole and Christian Otterstad. A red arrow points to the 'Past Issues' link with the Chinese text '以往的刊次' (Previous Issues). Below the 'Past Issues' link, there is a grid of magazine covers for the years 2019, 2018, 2017, 2016, 2015, 2014, 2013, 2012, 2011, and 2010. The covers for 2019 are shown in detail, including 'OUTLOOK', 'HOLDING US TOGETHER', 'CURRICULAR FOUNDATIONS FOR CYBERSECURITY', and 'THE PATH ACROSS THE GREAT DEEP'.

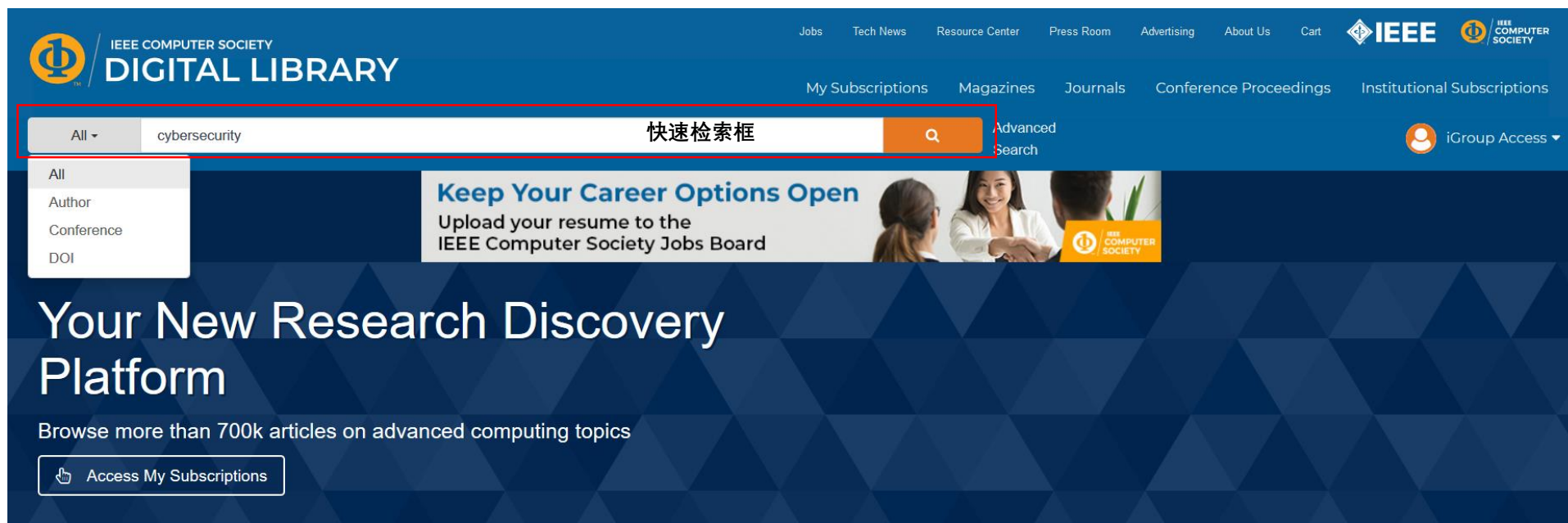
4. 按会议录类型进行浏览

Conference Acronym	Most Recent Title
3DCVE	2018 IEEE Fourth VR International Workshop on Collaborative Virtual Environments (3DCVE)
3DIM	2007 6th International Conference on 3-D Digital Imaging and Modeling
3DPVT	Third International Symposium on 3D Data Processing, Visualization, and Transmission (3DPVT06)
3DUI	2017 IEEE Symposium on 3D User Interfaces (3DUI)
3DV	2018 International Conference on 3D Vision (3DV)
3DVIS	2014 IEEE VIS International Workshop on 3DVis (3DVis)
3PGCIC	2015 10th International Conference on P2P, Parallel, Grid, Cloud and Internet Computing (3PGCIC)
ISMAR-MASHD	2015 IEEE International Symposium on Mixed and Augmented Reality - Media, Art, Social Science, Humanities and Design (ISMAR-MASH'D)
AAA-IDEA	First International Workshop on Advanced Architectures and Algorithms for Internet Delivery and Applications
AAMAS	Proceedings of the Third International Joint Conference on Autonomous Agents and Multiagent Systems, 2004. AAMAS 2004.
ACAC	Australasian Computer Architecture Conference
ACCT	2015 Fifth International Conference on Advanced Computing & Communication Technologies (ACCT)
ACE	Advances in Computer Engineering, International Conference on
ACHI	International Conference on Advances in Computer-Human Interaction
ACII	2017 Seventh International Conference on Affective Computing and Intelligent Interaction (ACII)
ACIDS	Intelligent Information and Database Systems, Asian Conference on
ACIW	2017 Seventh International Conference on Affective Computing and Intelligent Interaction Workshops and Demos (ACIW)
ACIT	2018 International Arab Conference on Information Technology (ACIT)
ACIT-CSI	2016 4th Intl. Conf. on Applied Computing and Information Technology (ACIT), 3rd Intl. Conf. on Computational Science/Intelligence and Applied Informatics (CSII), and 1st Int
ACLING	2015 First International Conference on Arabic Computational Linguistics (ACLing)

会议列表—简称

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 homepage. At the top left, the logo and text "IEEE COMPUTER SOCIETY DIGITAL LIBRARY" are visible. The top navigation bar includes links for Jobs, Tech News, Resource Center, Press Room, Advertising, About Us, and Cart. On the right, there are logos for IEEE and IEEE Computer Society. Below the navigation bar, a search bar is highlighted with a red box. The search bar contains the text "cybersecurity" and a search icon. To the left of the search bar is a dropdown menu with the following options: All, Author, Conference, and DOI. The text "快速检索框" (Quick Search Box) is written above the search bar. To the right of the search bar, there are links for "Advanced Search" and "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". 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.

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 m...[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 ▼

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

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 —

8. 进入检索结果文章页面，下载全文、导出引文一目了然

The screenshot shows the IEEE Security & Privacy journal website. At the top, there is a search bar with a magnifying glass icon and the text 'Advanced Search' and '高级检索区'. Below the search bar is the journal's logo 'IEEE SECURITY & PRIVACY' and a navigation menu with links for 'Home', 'Current Issue', 'Past Issues', 'Preprints', 'About', and 'Write for Us'. On the right side, there are social media icons for Facebook and Twitter, and a link for 'iGroup Access'. The main content area features a large image of the journal cover on the left, which has the title 'ELECTRONIC VOTING 的电子杂志' and the IEEE logo. To the right of the cover, there are three buttons: 'Download', 'References', and 'Export Citation', each with a red box around it. Below these buttons are the Chinese labels '下载全文' and '导出引文'. The article title 'Cybersecurity Education and Assessment in EDURange' is prominently displayed, followed by the issue information 'May/June 2017, pp. 90-95, vol. 15' and the DOI bookmark '10.1109/MSP.2017.54'. A 'Keywords' section lists terms like 'Computer Science Education', 'Computer Security', 'Cloud Computing', 'Computer Hacking', 'Education', 'Security', 'Cybersecurity', 'Cloud', 'EDU Range', and 'Hacker Curriculum'. The 'Authors' section lists 'Richard Weiss' from 'The Evergreen State College'. At the bottom right, there is a promotional banner for a 'Workshop on Artificial Intelligence: Past, Present, and Future' on May 21st, with a discount code 'IEEE600' for IEEE CS members. A red box at the bottom left of the page contains the text '文章所在的杂志'.

All ▾

Advanced Search 高级检索区

iGroup Access ▾

IEEE SECURITY & PRIVACY

Home Current Issue Past Issues ▾ Preprints About ▾ Write for Us ▾

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

IEEE CS members save \$600 Use code IEEE600 Learn

Workshop on Artificial Intelligence: Past, Present, and Future
21 May • 9am–Noon

Interop19 IEEE COMPUTER SOCIETY TCSEM

9. 进入全文文章，选择打印或者下载


90 (1 / 6) 80%

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.

Print Download

10. 一键开启高级检索，限定检索条件、定位精准结果

Advanced Search

cybersecurity

AND Keywords, etc.

AND Keywords, etc.

AND Keywords, etc.

AND Keywords, etc.

in Anything

in Document Title

in Document Content

in Abstract

in Authors

in Keywords

in Publication Title

in DOI

in ISBN

in ISSN

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
10. ISSN

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

增加或者减少检索条件

Category

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

Year

Export

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 -

Limit 10 | Show Relevance