



IEEE CS Digital Library 使用指南

THE COMMUNITY FOR TECHNOLOGY LEADERS

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iGroup公司提供的服务



01

关于IEEE CS

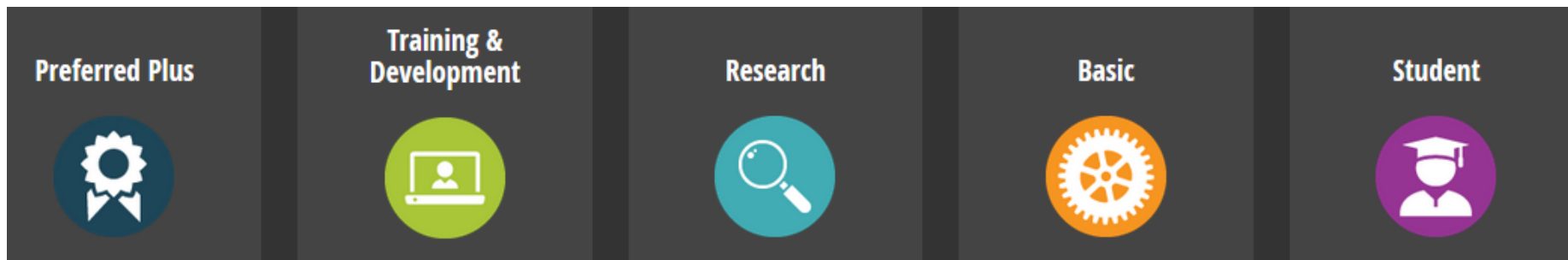
- IEEE Computing Society (简称IEEE CS计算机学会)成立于1946年，是世界上最早和最大的计算机专业人士的学会，是IEEE（电气电子工程师学会）旗下39个专业学会中最大的一家。

- **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



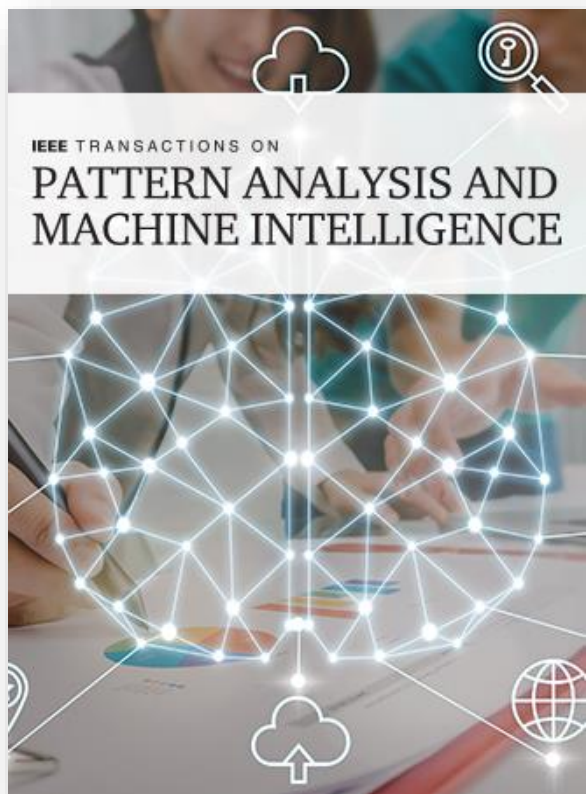


研究领域

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



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

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Self-organizing maps for multi-objective pareto frontiers

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1. IEEE CSDL 国际站首页

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Popular

Convolutional neural networks applied to house numbers digit classification

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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

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Brent Smith, +1 more

Popular Search Terms

热门的检索字段

Accessibility

AI

Autonomous Vehicles

Big Data

Blockchain

Cyberthreats



iGroup

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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' magazine, 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. To the right of the banner are sections for 'Announcements', 'Call for Papers', and 'Trending'. Below the banner, there are sections for 'Latest Articles' and 'Educational and Workforce Cybersecurity Frameworks: Comparing...'. 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 grid of magazine covers is shown, with the 'Past Issues' link pointing to the '2019' tab. The covers are for January (Vol. 52 / No. 01), February (Vol. 52 / No. 02), March (Vol. 52 / No. 03), and April (Vol. 52 / No. 04).

Home Current Issue Past Issues About Write for Us

Computer

Volume 52, Issue 4
April 2019

Download Issue

Announcements

Call for Papers

Trending

Latest Articles

Educational and Workforce Cybersecurity Frameworks: Comparing...
by Matthew Hudnall

Software Systems With Antifragility to Downtime
by Kjell J. Hole, Christian Otterstad

2019s 2000s 1990s 1980s 1970s

2019 2018 2017 2016 2015 2014 2013 2012 2011 2010

Computer OUTLOOK

Computer HOLDING US TOGETHER

Computer CURRICULAR FOUNDATIONS FOR CYBERSECURITY

Computer THE PATH ACROSS THE GREAT DEEP

Jan Vol. 52 / No. 01

Feb Vol. 52 / No. 02

March Vol. 52 / No. 03

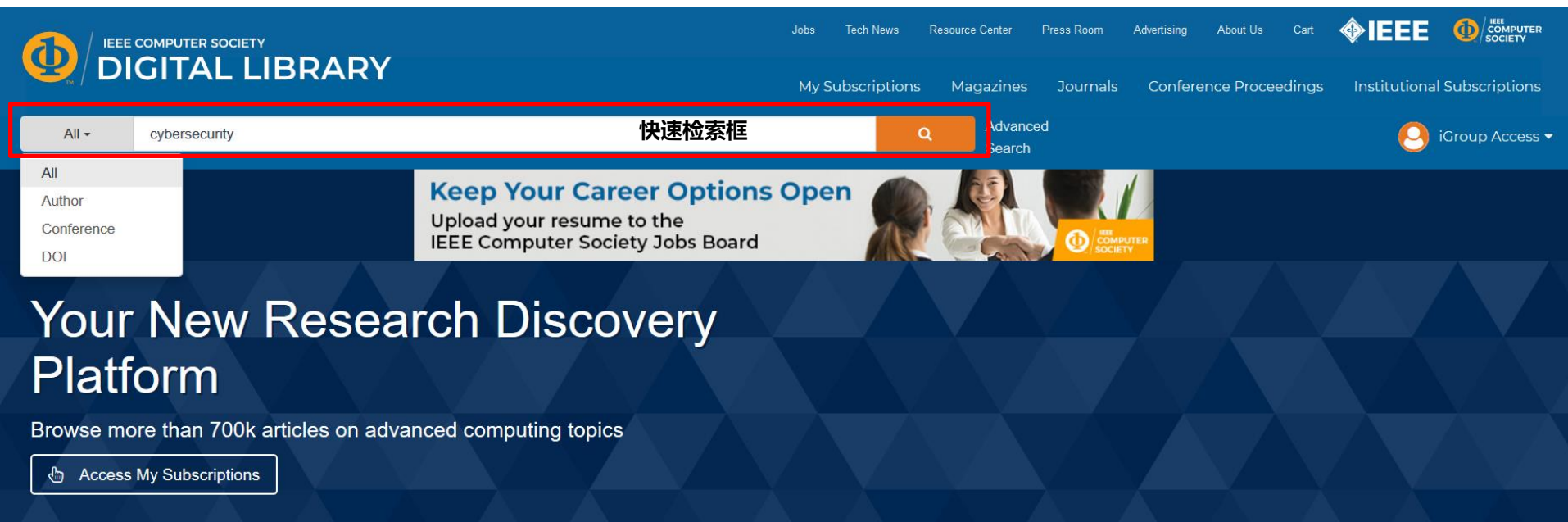
April Vol. 52 / No. 04

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". Below this, 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". The main content area features the headline "Your New Research Discovery Platform" and the text "Browse more than 700k articles on advanced computing topics". A button labeled "Access My Subscriptions" is visible 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 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

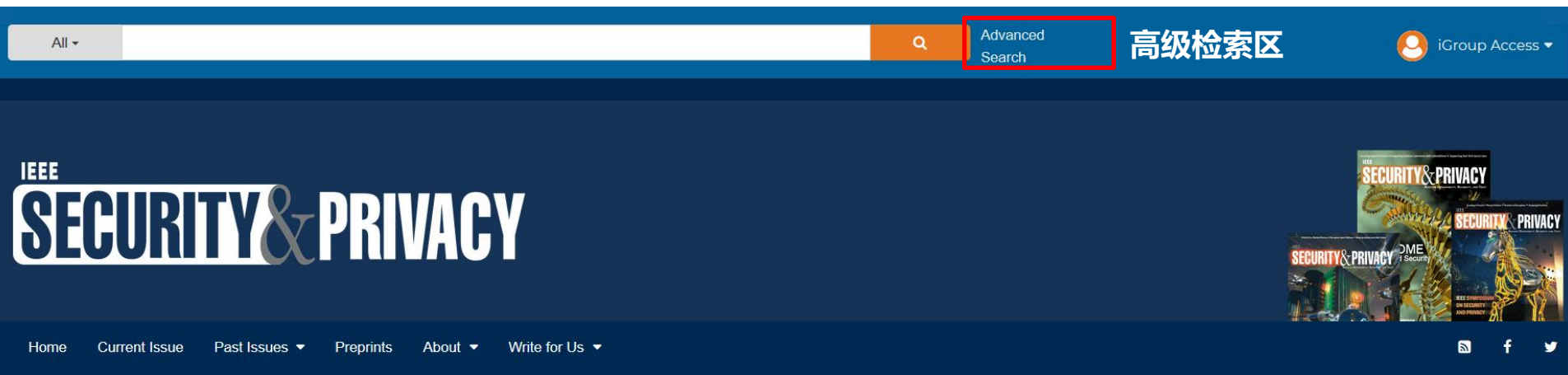
- IEEE Security & Privacy (4)
- IT Professional (4)
- Computer (1)
- IEEE MultiMedia (1)

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](#)

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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



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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 shows the IEEE Digital Library search interface. At the top, there is a navigation bar with links for Jobs, Tech News, Resource Center, Press Room, Advertising, About Us, and Cart. Below this is a secondary navigation bar with links for My Subscriptions, Magazines, Journals, Conference Proceedings, and Inst. The main search area is titled "Advanced Search" and features a search bar with the text "cybersecurity". Below the search bar are four rows of search criteria, each with a dropdown menu set to "AND" and a text input field containing "Keywords, etc.". A red box highlights a dropdown menu that is open, showing a list of search criteria: "in Anything", "in Document Title", "in Document Content", "in Abstract", "in Authors", "in Keywords", "in Publication Title", "in DOI", "in ISBN", and "in ISSN". To the right of this dropdown is a list of 10 numbered items in Chinese, each with a corresponding icon: 1. 所有范围内 (All ranges), 2. 文档标题 (Document title), 3. 文档内容 (Document content), 4. 文摘 (Abstract), 5. 作者 (Author), 6. 关键字 (Keywords), 7. 出版物名称 (Publication name), 8. DOI号 (DOI number), 9. ISBN (ISBN), and 10. ISSN (ISSN). A red arrow points from the "in Anything" option in the dropdown to the first item in the list. Another red arrow points from the "in ISSN" option to the 10th item. Below the list, there are buttons for "+", "10", and "ISSN". At the bottom of the search area, there is a red arrow pointing to the text "增加或者减少检索条件" (Increase or decrease search conditions).

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

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



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
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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；
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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