



# IEEE高质量科技资源 助力高效科研创新

演讲人：iGroup中国 IEEE产品培训师 张晨曦



# 主要内容

- ▶ IEEE Xplore——您身边的顶尖科技资源库
- ▶ 多种方法助力高效检索科研文献
- ▶ IEEE投稿攻略，攻克投稿壁垒
- ▶ IEEE拥抱开放获取与开放科学

# IEEE Xplore——您身边的顶尖科技资源库



The Institute of Electrical and Electronics Engineers

电气电子工程师学会



# IEEE的成立

1884

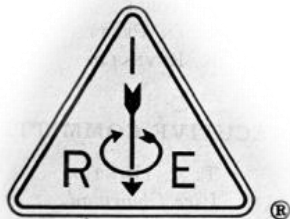
1912

1963

Present



+



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**IEEE**

**AIEE**

American Institute  
of Electrical Engineers  
美国电气工程师学会

**IRE**

Institute of Radio  
Engineers  
无线电工程师学会

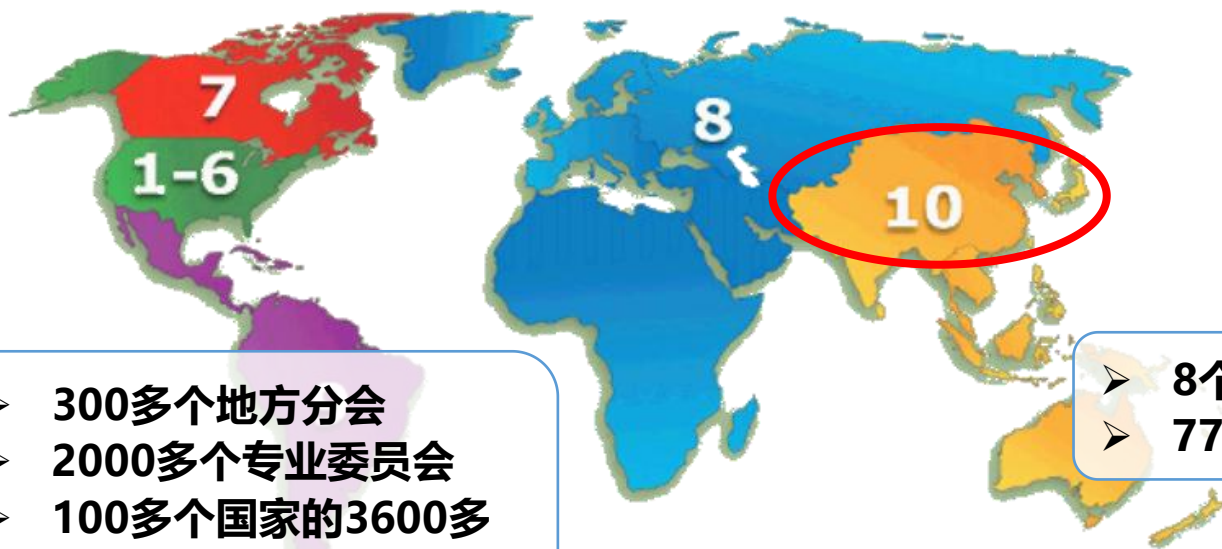
**IEEE**

The Institute of Electrical and  
Electronics Engineers  
电气电子工程师学会



# IEEE组织情况

- 非营利组织，全球最大的技术行业学会，成员遍布160多个国家地区，会员超过45万人



- 300多个地方分会
- 2000多个专业委员会
- 100多个国家的3600多个学生分会

- 8个地方分会
- 77个学生分会

- IEEE Aerospace and Electronic Systems Society
- IEEE Antennas and Propagation Society
- IEEE Broadcast Technology Society
- IEEE Circuits and Systems Society
- IEEE Communications Society
- IEEE Computational Intelligence Society
- IEEE Computer Society
- IEEE Consumer Electronics Society
- IEEE Control Systems Society
- IEEE Dielectrics and Electrical Insulation Society
- IEEE Education Society
- IEEE Electron Devices Society
- IEEE Electronics Packaging Society
- IEEE Electromagnetic Society
- IEEE Engineering in Medicine and Biology Society
- IEEE Geoscience and Remote Sensing Society
- IEEE Industrial Electronics Society
- IEEE Industry Applications Society
- IEEE Information Theory Society
- IEEE Instrumentation and Measurement Society

- IEEE Intelligent Transportation Systems Society
- IEEE Magnetics Society
- IEEE Microwave Theory and Techniques Society
- IEEE Nuclear and Plasma Sciences Society
- IEEE Oceanic Engineering Society
- IEEE Photonics Society
- IEEE Power Electronics Society
- IEEE Robotics and Automation Society
- IEEE Semiconductor Society
- IEEE Systems, Man, and Cybernetics Society
- IEEE Technology and Engineering Management Society
- IEEE Ultrasonics, Ferroelectrics, and Frequency Control Society
- IEEE Vehicular Technology Society

39个专业协会

IEEE Societies

# IEEE Xplore访问

校内IP自动认证

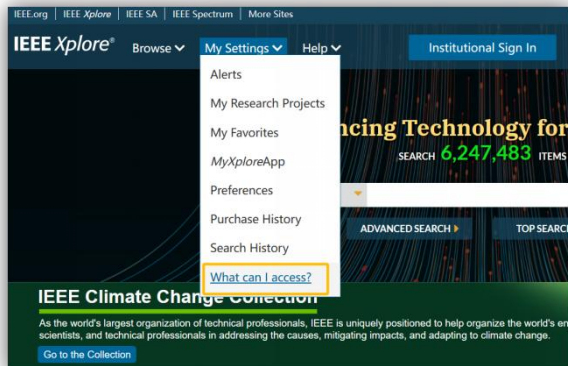
URL: <https://ieeexplore.ieee.org>

## IEEE Xplore 全文数据库

- 200+ IEEE期刊和杂志
- 2000+ IEEE会议录 (每年)
- 5000+ IEEE标准文档 (草案除外)
- IET、VDE会议录
- Bell Labs技术期刊

IEEE Electronic Library (IEL)数据库

- IBM期刊, MIT期刊, AGU期刊, URSI
- (OA 期刊): TUP, CSEE, CPSS, CES, CMP, CIE, BIAI, SAIEE
- IEEE-Wiley, Wiley Telecom, Wiley Data and Cybersecurity, Wiley Semiconductors, MIT, Artech House, River, PUP、Packt, Manning电子图书
- Now Publishers综述文集
- 在线技术课程



## 浏览器:

- Firefox ✓
- Safari ✓
- Chrome ✓
- Opera ✓
- Microsoft Edge ✓

# 校外访问



## 上海电机学院部分数据库校外访问说明 (无需VPN)

发布人： 时间：2021-12-02 浏览次数： 2757 次

在学校信息化中心的积极努力下，上海电机学院于2020年2月10日加入了中国教育科研计算机网统一认证与资源共享基础设施CARS (CERNET Authentication and Resource Sharing Infrastructure)。该设施于2008年12月由北京大学计算中心发起建设，在国内高校已经普遍建设完成的校园网统一用户管理和身份认证系统基础上，面向中国高校和科研机构提供跨域身份认证和资源共享服务。**简单来说，通过CARS可以直接校外访问各种在线资源而无需使用VPN，使用户访问更加方便和快捷。**

图书馆目前正在积极与加入了CARS的数据库商协商数据库的开通申请，目前已经开通的数据库如下（使用的资源为图书馆购买的资源，与校内使用一致）：

### 1、SpringerLink

访问地址：<http://link.springer.com/>

使用说明：<https://mp.weixin.qq.com/s/ARg-fvJzwj1fdmGldVpbEQ>

### 2、Emerald

访问地址：<https://www.emerald.com/start-session?idp=https://idp.sdju.edu.cn/idp/shibboleth>

使用说明：<https://mp.weixin.qq.com/s/efCaIUNYC65Q6rPD401ILg>

### 3、CNKI (中国知网)

访问地址：<http://fsso.cnki.net>

使用说明：<https://mp.weixin.qq.com/s/OZX5NTNgyMdAmFke7wMIBw>

### 4、IEEE Xplore

访问地址：<https://ieeexplore.ieee.org/>

使用说明：[https://mp.weixin.qq.com/s/UFa\\_C0RRaMiddbCTN36GUg](https://mp.weixin.qq.com/s/UFa_C0RRaMiddbCTN36GUg)

# 我校关注的期刊与会议

IEEE Transactions on Industrial Electronics

IEEE Robotics and Automation Letters

IEEE Transactions on Power Electronics

IEEE Transactions on Instrumentation and Measurement

IEEE Transactions on Magnetics

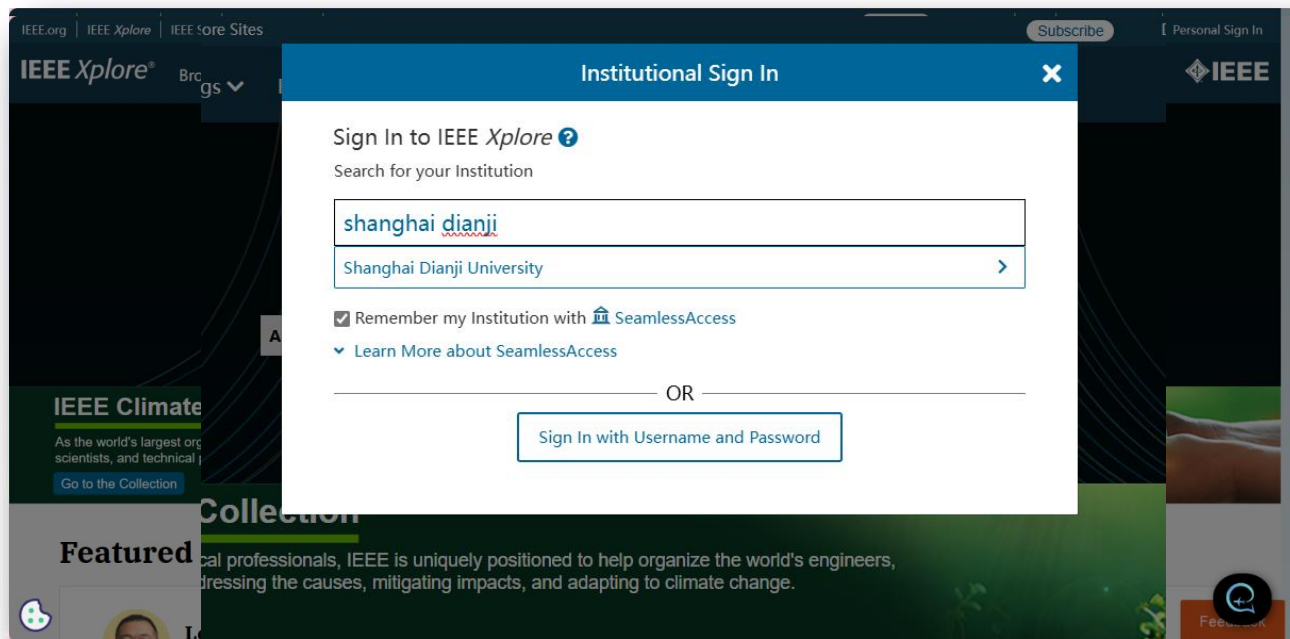
International Conference on Electrical Machines and Systems (ICEMS)

International Forum on Electrical Engineering and Automation (IFEAA)

# IEL数据库与我校相关学院

电气学院	机械学院 (临港新片区智能制造产业学院)
电子信息学院	商学院
材料学院	外国语学院
设计与艺术学院	凯劳智能制造学院
马克思主义学院	文理学院
高职学院 (少数民族预科生部)	体育教学部
工业技术中心 (创新创业教育中心)	国际教育交流中心
继续教育学院	

# 校外访问-SeamlessAccess





## 快问快答

**我校订购的IEL数据库不包含下列哪一选项？**

- A、200+IEEE期刊和杂志**
- B、2000+IEEE会议录（每年）**
- C、Bell Labs技术期刊**
- D、IEEE-Wiley电子书**

# 多种方法助力高效检索科研文献

# IEEE Xplore介绍

## News and Updates

**IEEE Publish Open Access with IEEE**

**IEEE Open Access Options:**

- IEEE Access® Multidisciplinary Journal
- 30+ Fully Open Access Topical Journals
- 170+ Top-Cited Hybrid Publications

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**Why Books are an Important Resource for Engineers**

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**Investigating Service Robots**

[READ MORE](#)

## Upcoming Conferences

13 MAY	2024 IEEE International Conference on...
	<a href="#">REGISTER</a> <a href="#">ABOUT</a>
25 JUN	2024 IEEE Conference on Arti...
	<a href="#">REGISTER</a> <a href="#">ABOUT</a>
20 OCT	2024 IEEE SENSORS
	<a href="#">CALL FOR PAPERS</a> <a href="#">ABOUT</a>

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IEEE.org | IEEE Xplore Digital Library | IEEE Standards | IEEE Spectrum | More Sites

**IEEE**  
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The world's largest technical professional organization for the advancement of technology

### IEEE Conference Search Results

Search virtual events (254 characters left)

Refine Search Show Sort by: Relevance Conference Title Dates Location Virtual

Displaying results 1 - 10 of 1412 for

Results on Map

**2024 Data Compression Conference (DCC)**

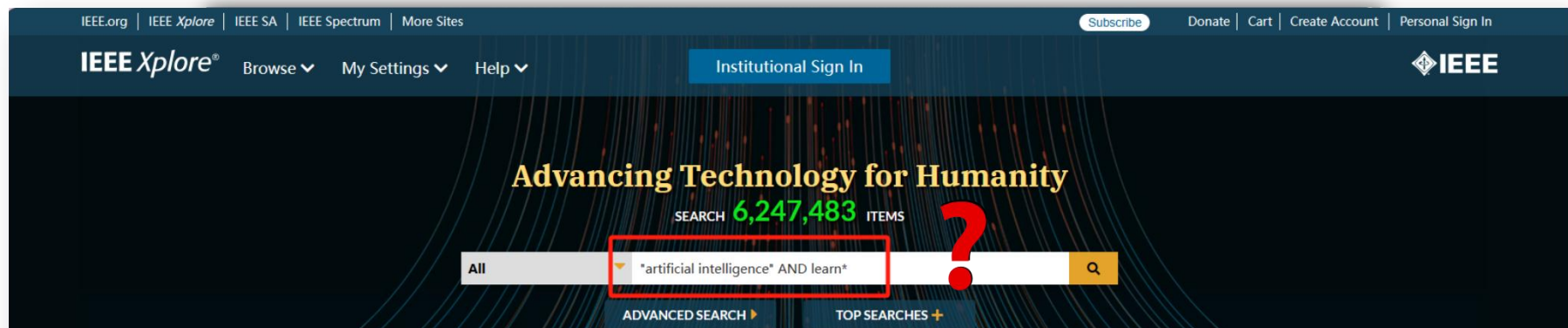
19 - 22 March 2024 | Snowbird, Utah, USA | Event Format: Hybrid (In-person and Virtual)

**Sponsors:** IEEE Signal Processing Society; University of Arizona - Electrical and Computer Engineering Dept.

**Field of Interest:** Communication, Networking and Broadcast Technologies; Signal Processing and Analysis



# 一框式检索核心技术



## 一框式检索(Global Search)

1. 默认检索内容: metadata only
2. 检索词之间的默认关系: AND 如 artificial intelligence= artificial AND intelligence
3. 支持命令检索: 如"Abstract": artificial AND "Publication Title": intelligence
4. 自动获取词根: 名词单复数, 动词时态变换, 英式美式拼写
5. 精确检索使用双引号: 词组、固定搭配; 如 "artificial intelligence"
6. 模糊检索使用\*和?: learn\* (可以包含learn、learning、learned、learner )
7. 检索词不区分大小写, 检索运算符全部大写

# 缩减框

# 新功能 图像搜索 -仅限IEL用户

# 聚类 分析栏

[Download PDFs](#) [Items Per Page ▾](#) [Export](#) [Set Search Alerts](#) [Search History](#)

Showing 1-25 of 99,337 results for "artificial intelligence" AND learn\* ×

☐ Conferences (61,457)

☐ Journals (33,459)

☐ Magazines (1,777)

☐ Early Access Articles (1,668)

☐ Books (915)

☐ Standards (46)

☐ Courses (15)

Publications You May Be Interested In:

Artificial Intelligence and Learning Environments

Intelligent Security Systems: How Artificial Intelligence, Machine Learning and Data

Communication Networks and Service Management in the Era of Artificial

Artificial Intelligence: An MIT Perspective: Expert Problem Solving, Natural

[View More Journals and Conferences](#)

文献类型筛选

出版物推荐

Search

[Documents](#) [Images\(Beta\)](#)

点击 Images

Year

Range

Single Year

1961

2024

Clear

Apply

Author

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Affiliation

▼

Publication Title

▼

Sort By

Relevance

Learning capabilities of Artificial Intelligence at universities

The Negative Effect of Artificial Intelligence Technology on English...

The Positive Effect of Artificial Intelligence Technology on English...

Image acquisition by machine learning algorithms artificial intelligence

Modeling of foreign language learners and teachers under artificial intelligence

Artificial Intelligence Uses in Mobile Learning

The analysis process of image recognition technology

Image acquisition with different algorithms

Teaching mode of artificial intelligence adaptive learning

Technological Structure of AI in Education

The principle of artificial intelligence for english score improvement

The relationship between artificial intelligence, machine learning, and...

Most Trending Topics

Application of computer artificial intelligence in learning methods

Research on the application of artificial intelligence to college English second...

Keywords co-occurrence map

IEEE

Get Published in the IEEE Open Journal of the Solid-State Circuits Society

Learn More

IEEE

Get Published in the IEEE Journal of Selected Areas in Sensors



# 聚类分析功能

**Year** ^

☒ Range ☐ Single Year

[Clear](#) [Apply](#)

**Author** v

**Affiliation** v

**Publication Title** v

**Publisher** v

**Supplemental Items** v

**Conference Location** v

**Publication Topics** v

**Standard Status** v

**Author** ^

☐ Mohsen Guizan (271)

☐ Licheng Jiao (270)

☐ Xuelong Li (225)

☐ Ling Shao (174)

☐ Wei Wang (169)

[Show More](#)

**Affiliation** v

**Publication Title** v

**Publisher** v

**Supplemental Items** v

**Conference Location** v

**Publication Topics** v

**Standard Status** v

**Affiliation** ^

☐ School of Artificial Intelligence, University of Chinese Academy of Sciences, Beijing, China (823)

☐ University of Chinese Academy of Sciences, Beijing, China (247)

☐ Peng Cheng Laboratory, Shenzhen, China (244)

☐ School of Artificial Intelligence, Beijing University of Posts and Telecommunications, Beijing, China (231)

☐ School of Artificial Intelligence and Automation, Huazhong University of Science and Technology, Wuhan, China (195)

[Show More...](#)

**Publication Title** v

**Publisher** v

**Supplemental Items** v

**Publication Title** ^

☐ IEEE Access (17,260)

☐ IEEE Transactions on Neural Networks and Learning Systems (1,131)

☐ IEEE Transactions on Pattern Analysis and Machine Intelligence (860)

☐ IEEE Transactions on Image Processing (693)

☐ IEEE Internet of Things Journal (555)

[Show More...](#)

**Publisher** v

**Supplemental Items** v

**Conference Location** v

**Publication Topics** v

**Standard Status** v

**Publisher** v

**Supplemental Items** v

**Conference Location** v

**Publication Topics** ^

☐ Neural Network (22,583)

☐ Convolutional Neural Network (20,907)

☐ Deep Learning (20,552)

☐ Machine Learning (16,743)

☐ Learning Algorithms (11,085)

[Show More...](#)

**Standard Status** v

**Standard Type** v


# 辅助材料-Media

- Author ▼
- Affiliation ▼
- Publication Title ▼
- Publisher ▼
- Supplemental Items ▲
  - ☒ Media (2,812)
  - ☐ Datasets (247)
  - ☐ Code (37)
  - ☐ Video (25)
  - ☐ Immersive Articles (4)
- Conference Location ▼
- Publication Topics ▼
- Standard Status ▼
- Standard Type ▼



☐ Select All on Page Sort By [Most Cited By Papers](#) ▼


☐ **A Comprehensive Survey on Graph Neural Networks** 

Zonghan Wu; Shirui Pan; Fengwen Chen; Guodong Long; Chengqi Zhang; Philip S. Yu  
IEEE Transactions on Neural Networks and **Learning** Systems  
Year: 2021 | Volume: 32, Issue: 1 | Journal Article | Publisher: IEEE  
Cited by: [Papers \(3725\)](#)

▼ Abstract [HTML](#)   

**Media** ▲

  
PDF 

**Description** 

The supplemental material file includes the description of datasets, reported experimental results for node classification, and open-source implementations.



# 辅助材料-Datasets

Author

Affiliation

Publication Title

Publisher

Supplemental Items

☐ Media (2,812)

☒ Datasets (247)

☐ Code (37)

☐ Video (25)

☐ Immersive Articles (4)

Conference Location

Publication Topics

Standard Status

Standard Type

☐ Select All on Page

Sort By Most Cited By Papers

☐ **Reliable Tuberculosis Detection Using Chest X-Ray With Deep Learning, Segmentation and Visualization**

Tawsifur Rahman; Amith Khan

Khandaker Rejaul Islam; Khan

Mohammad Tariqul Islam; Sa

Muhammad E. H. Chowdhury

IEEE Access

Year: 2020 | Volume: 8 | Jou

Cited by: Papers (238)

☒ Abstract

[HTML](#)



## Datasets

### TUBERCULOSIS (TB) CHEST X-RAY DATABASE



Citation Author(s): Tawsifur Rahman (Dhaka University)  
Amith Khandakar (Department of Electrical Engineering, Qatar University)  
Muhammad Enamul Hoque Chowdhury (Department of Electrical Engineering, Qatar University)

4173 Views  
Categories: Artificial Intelligence  
Keywords: TB CXR

Submitted by: Amith khandakar

Last updated: Tue, 05/17/2022 - 22:17

DOI: 10.21227/mps8-kb56

Data Format: ZIP

Research Article  
Link: Reliable Tuberculosis Detection Using Chest X-Ray With Deep Learning Segmentation and Visualization

Links: A chest X-ray database of 3500 Tuberculosis patients' image and 3500 normal images were released. This database was created from

License: Creative Commons Attribution ©

[ACCESS DATASET](#)

[CITE](#)

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### Code & Datasets

Code

Dataset

★★★★★ 1 rating - Please login to submit your ratings

This article includes datasets hosted on IEEE DataPort™, a data repository created by IEEE to facilitate research reproducibility or another IEEE approved repository. Click the dataset name below to access it on the data repository

**Dataset Name:** [TUBERCULOSIS \(TB\) CHEST X-RAY DATABASE](#)



## 辅助材料-Code

Author

Affiliation

Publication Title

Publisher

Supplemental Items

☐ Media (2,812)

☐ Datasets (247)

☐ Code (37)

☐ Video (25)

☐ Immersive Articles (4)

Conference Location

Publication Topics

Standard Status

Standard Type

The screenshot displays the Code Ocean interface. At the top, there are tabs for 'Code' and 'Dataset'. Below this, a text block explains that the article includes code hosted on Code Ocean, a computational reproducibility platform. A yellow box highlights the article title 'Python Deep Learning for Cellular Traffic Prediction' under the 'Code' tab. A yellow arrow points from this box to the 'Edit Capsule' button in the top right corner of the article preview. The article preview shows the title, author '(Chuanting Zhang)', and the start of the 'Basic operation' section.

# 辅助材料-Video

Author	▼
Affiliation	▼
Publication Title	▼
Publisher	▼
Supplemental Items	^
<input type="checkbox"/> Media (2,812)	
<input type="checkbox"/> Datasets (247)	
<input type="checkbox"/> Code (37)	
<input checked="" type="checkbox"/> Video (25)	
<input type="checkbox"/> Immersive Articles (4)	
Conference Location	▼
Publication Topics	▼
Standard Status	▼
Standard Type	▼

The video player displays a presentation slide with the following content:

- Logos:** IEEE Xplore Digital Library, ISCAS 2020 (2020 IEEE International Symposium on Circuits and Systems), and the CAS logo.
- Event Info:** 2020 IEEE International Symposium on Circuits and Systems, Virtual, October 10-12, 2020.
- Video Feed:** A small inset video of a person in the top right corner.
- Title:** Deep Reinforcement Learning for Analog Circuit Sizing
- Authors:** Zhenxin Zhao and Lihong Zhang
- Affiliation:** Department of Electrical and Computer Engineering, Faculty of Engineering and Applied Science, Memorial University of Newfoundland, St. John's, Canada
- Logos:** Memorial University of Newfoundland logo.
- Navigation:** A play button is centered on the slide. At the bottom left, there are navigation icons (back, forward, search, etc.).

# 辅助材料-Immersive Articles

Author ▼

Affiliation ▼

Publication Title ▼

Publisher ▼

Supplemental Items ▲

☐ Media (2,812)

☐ Datasets (247)

☐ Code (37)

☐ Video (25)

☐ Immersive Articles (4)

Conference Location ▼

Publication Topics ▼

Standard Status ▼

Standard Type ▼



Click the training images at the bottom-left corner of the figure to select training images for training the contrastive learning network. Click the check boxes to select different augmentation types. When multiple augmentation types are checked, random augmentations of the training images are automatically generated by combining multiple augmentation types. Select two augmentations as the inputs of the contrastive learning network. After passing to the shared-weights encoder network and the projection network, projection features are obtained. If the augmentations are from the same image, i.e., a positive pair, their projection features will be pulled together based on the contrastive loss. In contrast, if the augmentations are from different images, i.e., a negative pair, their projection features will be separated based on the contrastive loss.

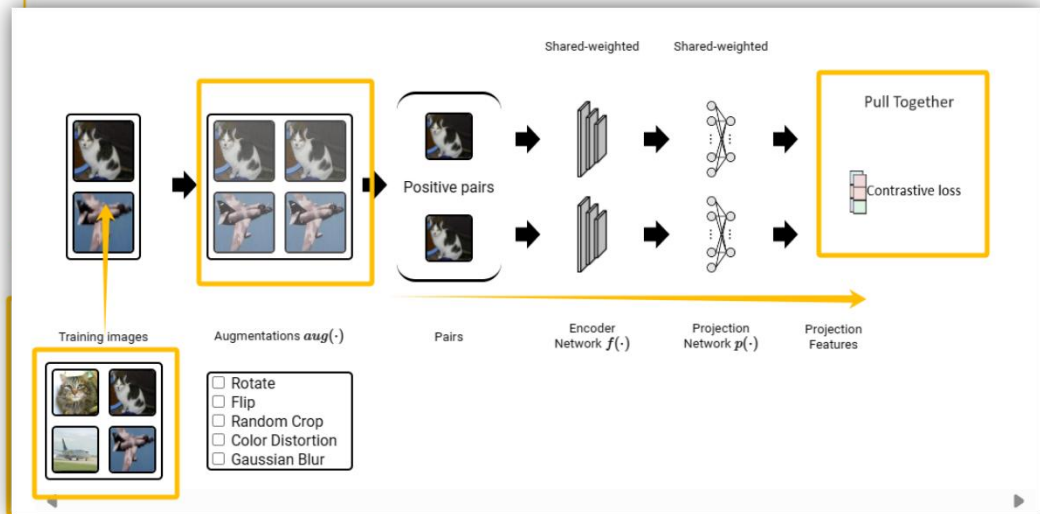
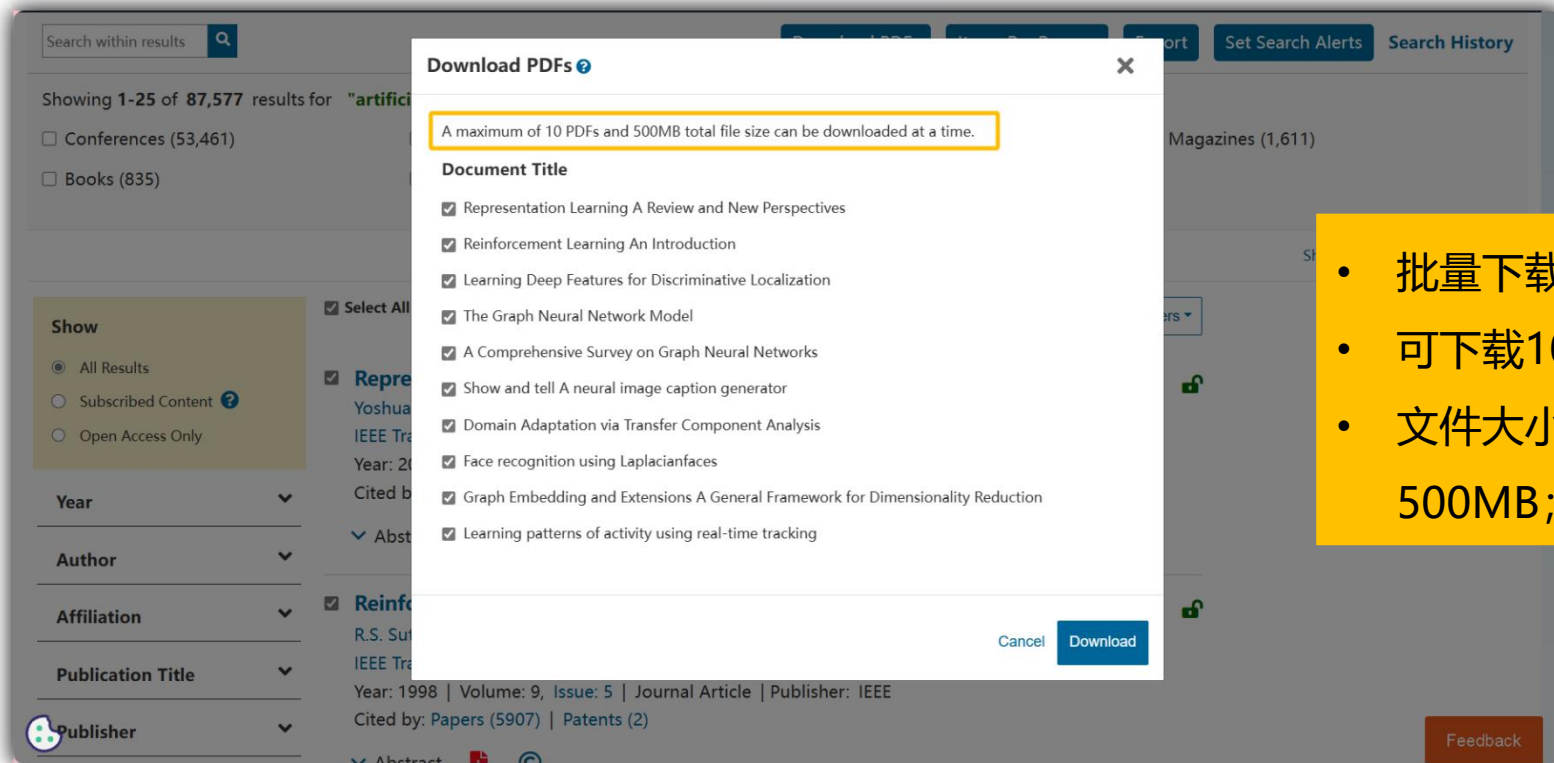


Figure 2:

The interactive contrastive learning network to demonstrate the effects of positive pairs and negative pairs.

# 批量下载PDF全文



- 批量下载文件;
- 可下载10篇/次;
- 文件大小不超过500MB;

# 批量下载引文信息

The screenshot shows the IEEE Xplore search interface. A modal dialog titled "Download Citations" is open, allowing users to export citation information. The dialog includes tabs for "Results", "Citations", "To Collaborate", and "My Research Projects". The "Citations" tab is active, showing that 25 citations have been selected. The "Format" section offers four options: Plain Text (selected), BibTeX, RIS, and RefWorks. The "Include" section offers two options: Citation Only (selected) and Citation and Abstract. Buttons for "Cancel" and "Download" are at the bottom right of the dialog. A yellow callout box with the text "以不同格式一次性导出引文信息" (Export citation information in different formats at once) points to the format options. The background shows search results for "artificial intelligence", with filters for Conferences (53,461) and Books (835). The left sidebar shows filters for "Show" (All Results, Subscribed Content, Open Access Only) and "Year", "Author", "Affiliation", "Publication Title", and "Publisher". The right sidebar shows "Show Related Publications". The bottom right corner features a "Feedback" button and the IEEE logo.

Search within results

Showing 1-25 of 87,577 results for "artificial intelligence"

☐ Conferences (53,461)

☐ Books (835)

**Show**

- ☒ All Results
- ☐ Subscribed Content
- ☐ Open Access Only

**Year**

**Author**

**Affiliation**

**Publication Title**

**Publisher**

**Download Citations**

You have selected 25 citations for download.

**Format**

- ☒ Plain Text
- ☐ BibTeX
- ☐ RIS
- ☐ RefWorks

**Include**

- ☒ Citation Only
- ☐ Citation and Abstract

Cancel Download

以不同格式一次性导出引文信息

Yoshua Bengio, Aaron Courville, Pascal Vincent  
IEEE Transactions on Pattern Analysis and Machine Intelligence  
Year: 2013 | Volume: 35, Issue: 8 | Journal Article | Publisher: IEEE  
Cited by: Papers (7491) | Patents (34)

Abstract HTML

Reinforcement Learning An Introduction  
R.S. Sutton; A.G. Barto  
IEEE Transactions on Neural Networks  
Year: 1998 | Volume: 9, Issue: 5 | Journal Article | Publisher: IEEE  
Cited by: Papers (5907) | Patents (2)

Abstract

Feedback

IEEE

# 快问快答

**IEEE Xplore平台提供的批量下载功能  
一次最多可以下载多少内容？**

- A、10篇/次**
- B、不限篇数**
- C、最多10篇/次，最多500MB/次**

# IEEE投稿攻略，攻克投稿壁垒

# IEEE出版渠道的选择

- 会议文章：可以是正在进行没有完成的研究
  - 可展示初期成果或强调最近工作
  - 获得非正式反馈用于后续研究
- 期刊文章：是研究工作和最终结果的完整展示
  - 展示原创研究结果
  - 做出清晰推论，并辅以数据支持
- 会议论文通常短于期刊论文，细节和参考文献也少些

200+

Journals, Transactions,  
Magazines

2,000+

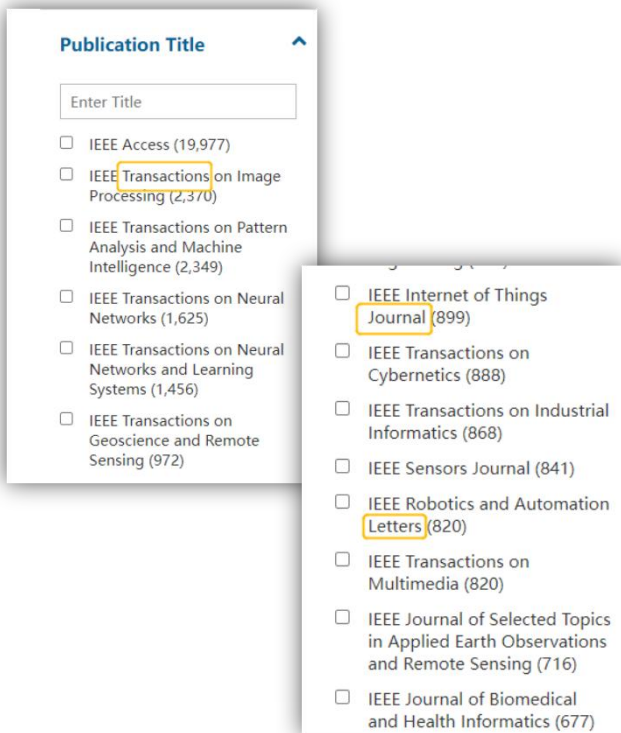
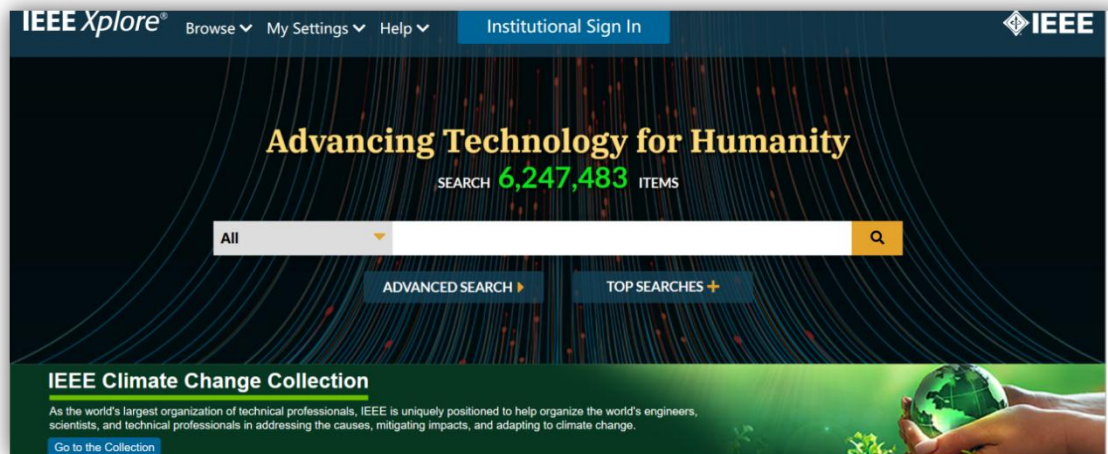
Conferences



# 期刊的选择

- Relevancy 期刊主题相关性
- IF (Impact Factor) 期刊影响因子

# ➤ 筛选与研究领域最相关的期刊



# 期刊的选择

- Relevancy 期刊主题相关性
- IF (Impact Factor) 期刊影响因子

# ➤ IEEE 期刊影响因子

## IEEE publishes:

**22 of the top 25** journals in **Electrical and Electronic Engineering** (电气电子工程领域)

**13 of the top 15** journals in **Telecommunications** (电信领域)

**4 of the top 5** journals in **Automation & Control Systems** (自动化控制领域)

**5 of the top 10** journals in **Computer Science, Artificial Intelligence** (计算机科学, 人工智能领域)

**3 of the top 5** journals in **Computer Science, Hardware & Architecture** (计算机科学, 硬件结构领域)

**3 of the top 5** journals in **Computer Science, Information Systems** (计算机科学, 信息系统领域)

**3 of the top 5** journals in **Computer Science, Cybernetics** (计算机科学, 控制论领域)

**4 of the top 10** journals in **Computer Science, Software Engineering** (计算机科学, 软件工程领域)

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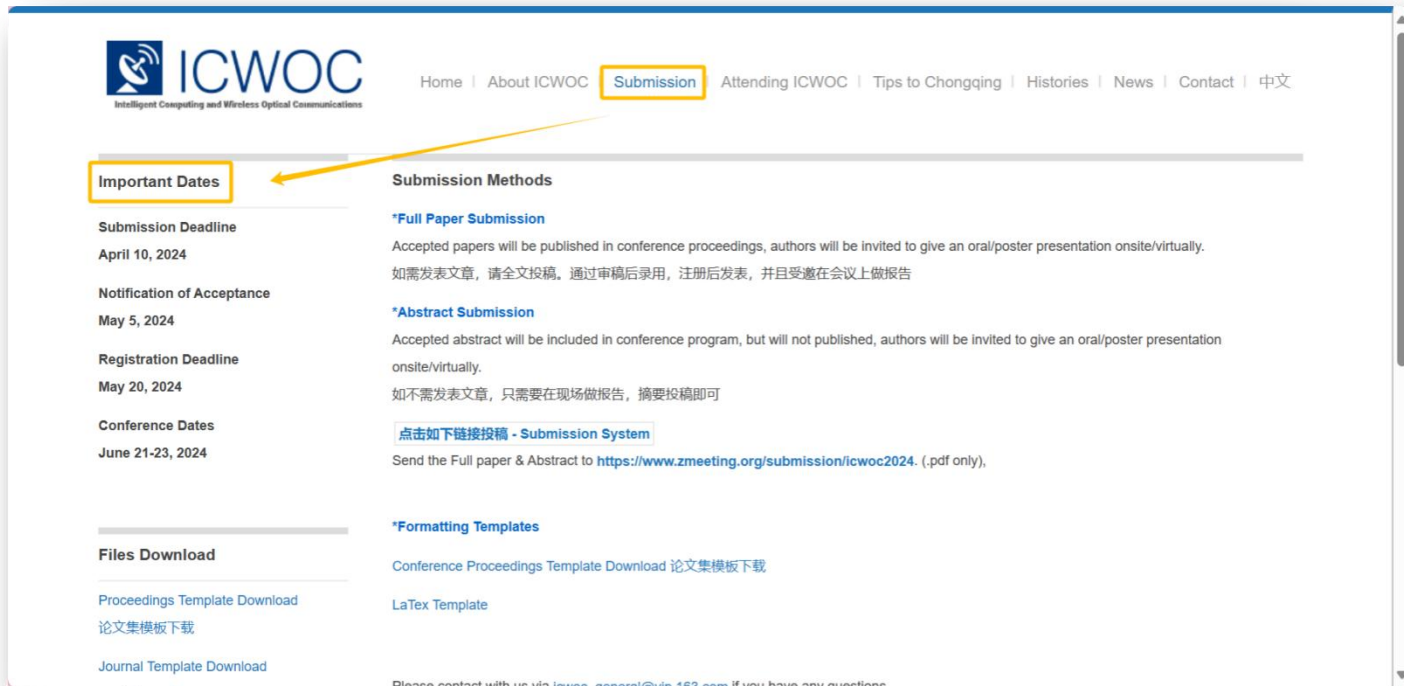
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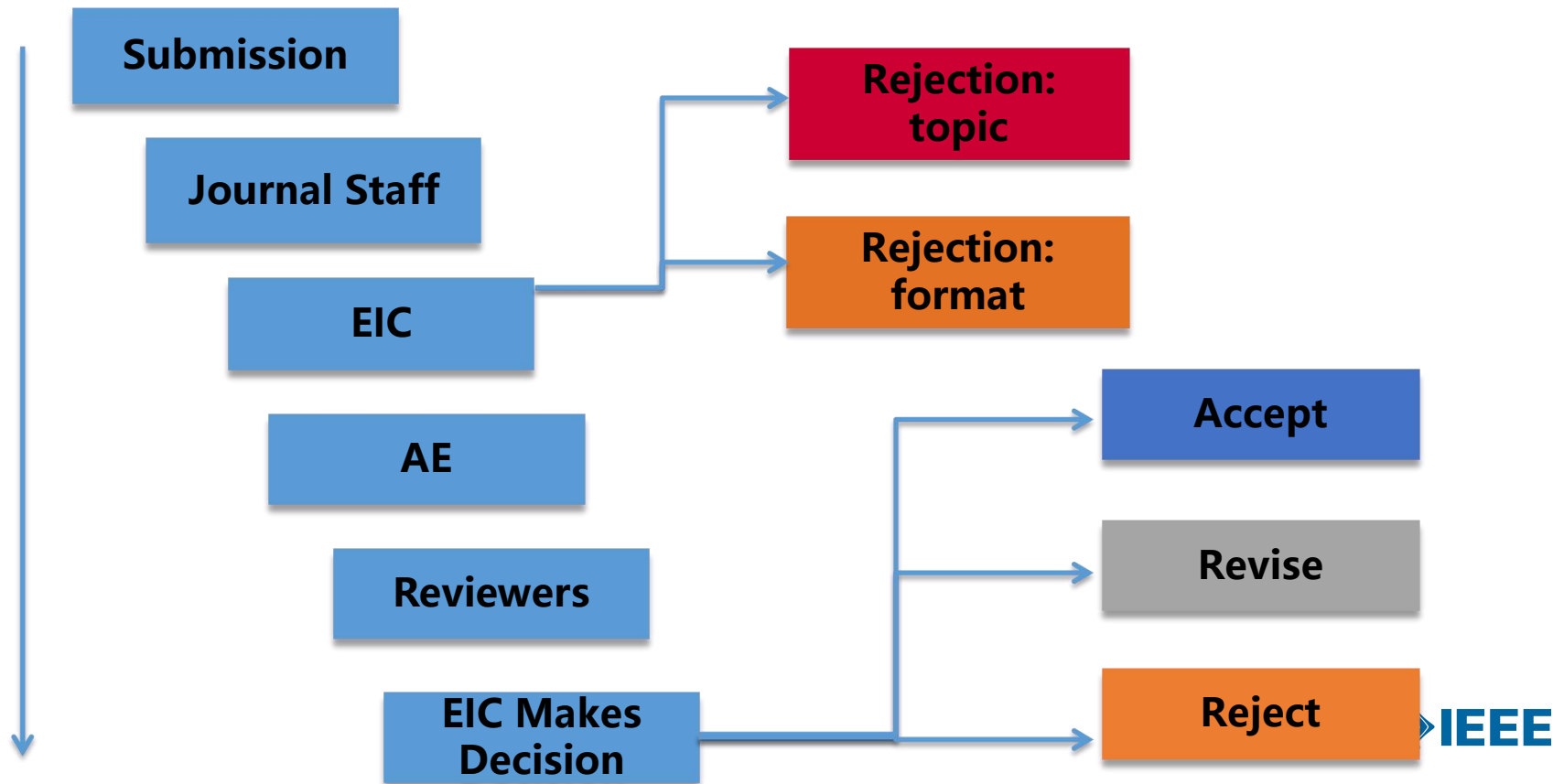
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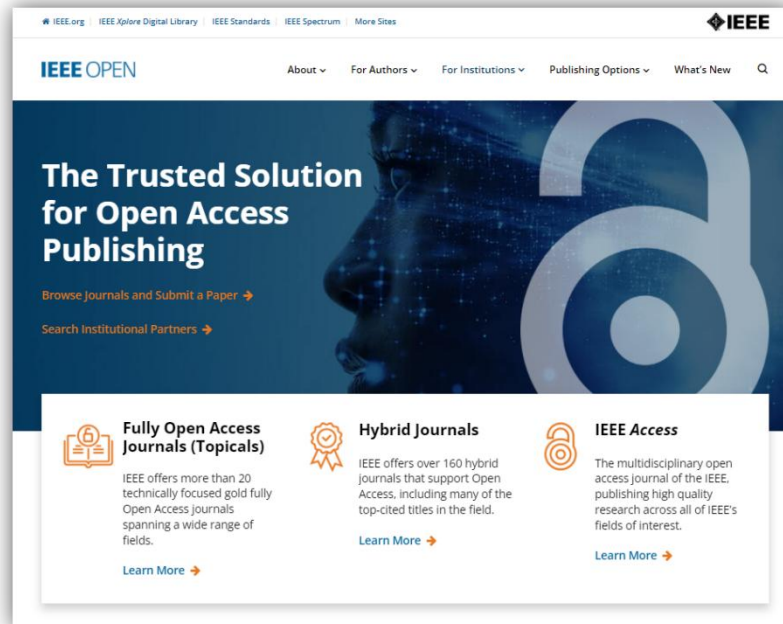
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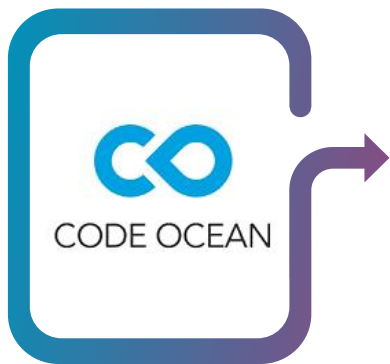
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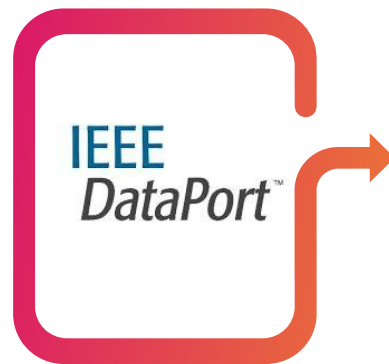
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## Index Modulation Based Coordinate Interleaved Orthogonal Design for Secure Communications

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### HTML页面

#### Abstract

#### Document Sections

#### I. Introduction

#### II. System Model

#### III. Performance Analysis

#### IV. Simulation Results

#### V. Conclusion

#### Abstract:

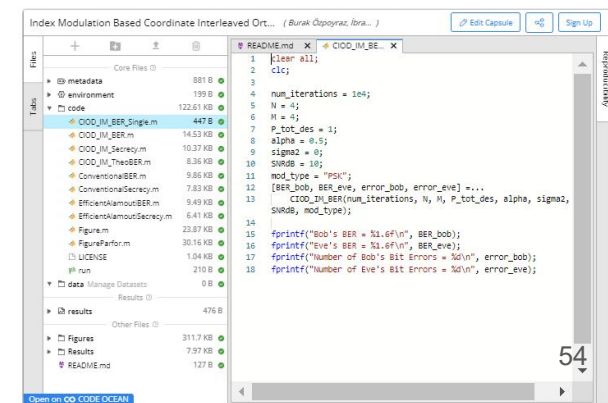
In this paper, we propose a physical layer security scheme that exploits a novel index modulation (IM) technique for coordinate interleaved orthogonal designs (CIOD). Utilizing the diversity gain of CIOD transmission, the proposed scheme, named CIOD-IM, provides an improved spectral efficiency by means of IM. In order to provide a satisfactory secrecy rate, we design a particular artificial noise matrix, which does not affect the performance of the legitimate receiver, while deteriorating the performance of the eavesdropper. We derive expressions of the ergodic secrecy rate and the theoretical bit error rate upper bound. In addition, we analyze the case of imperfect channel estimation by taking practical concerns into consideration. It is shown via computer simulations that the proposed scheme outperforms the existing IM-based schemes and might be a candidate for future secure communication systems.

#### Code & Datasets

Code Dataset

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Code: MATLAB Index Modulation Based Coordinate Interleaved Orthogonal Designs



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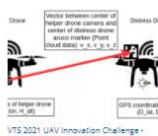
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Python supplementary files



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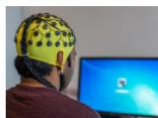
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