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# Contents

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01 /

**IEEE简介**

02 /

**高效文献调研与热点追踪**

03 /

**IEEE国际期刊/会议投稿流程与注意事项**

04 /

**IEEE活动介绍，助力科研与职业发展**

# IEEE简介



the **I**nstitute of **E**lectrical  
and **E**lectronics **E**ngineers

电气电子工程师学会

IEEE, pronounced "Eye-triple-E"

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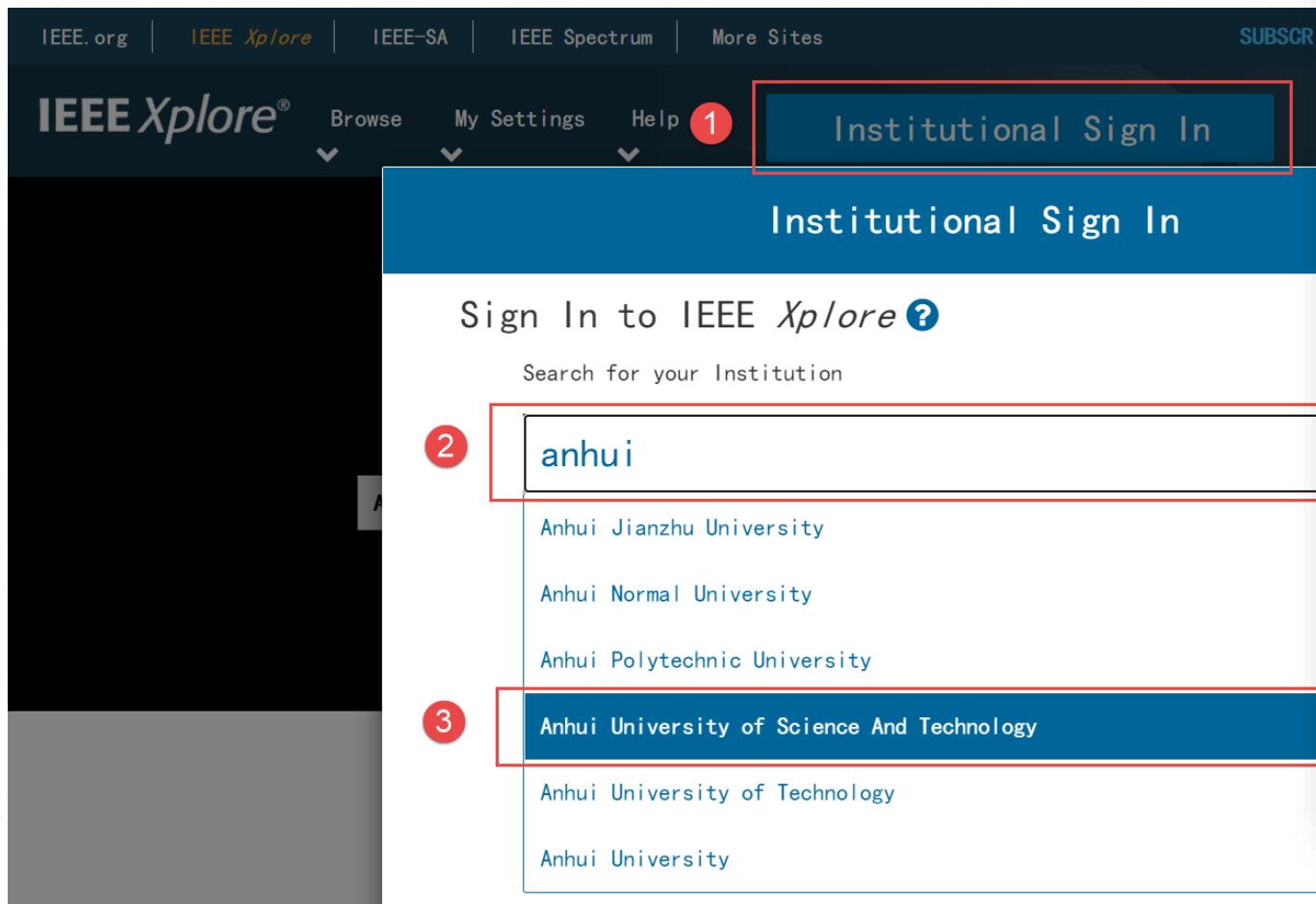
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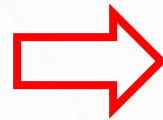


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2. 检索词之间的默认关系：AND   ie. smart grid= smart AND grid
3. 支持命令检索：    ie. "Abstract":ofdm AND "Publication Title":communications
4. 自动获取词根：pluralized nouns, verb tenses, and British/American spelling variations
5. 精确检索使用双引号：词组、固定搭配    ie. "java programming"
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7. 检索词不区分大小写，检索运算全部大写

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Command Search

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精确检索（词组）	双引号 ""		
模糊检索（截词符）	*（多个字母）或？（单个字母）		
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Courses (1)

**Author** 

**Affiliation** 

**Publication Title** 

Enter Title

IEEE Access (814)

IEEE Transactions on Image Processing (455)

IEEE Transactions on Pattern Analysis and Machine Intelligence (383)





2018 IEEE/CVF Conference on Computer Vision and Pattern Recognition (221)





IEEE Transactions on Multimedia (174)





2018 24th International Conference on Pattern Recognition (ICPR) (172)

2017 IEEE Conference on Computer Vision and Pattern Recognition (CVPR) (171)

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**A new cloud-based network framework for 5G massive Internet of Things connections**   
Yongbin Wang ; Zhongping Zhang ; Ping Zhang ; Zheng Ma ; Gang Liu  
2017 IEEE 17th International Conference on Communication Technology (ICCT)  
Year: 2017 | Conference Paper | Publisher: IEEE  
Cited by: Papers (2)  
Abstract   (910 Kb) 


**Analysis of the Internet of Things devices integration in 5G networks**   
Lidiia Ignatova ; Abdukodir Khakimov ; Albahri Mahmood ; Ammar Muthanna  
2017 Systems of Signal Synchronization, Generating and Processing in Telecommunications (SINKHROINFO)  
Year: 2017 | Conference Paper | Publisher: IEEE  
Cited by: Papers (3)  
Abstract   (480 Kb) 

**Application of 5G next generation network to Internet of Things**   
Suresh Borkar ; Himangi Pande  
2016 International Conference on Internet of Things and Applications (IOTA)  
Year: 2016 | Conference Paper | Publisher: IEEE  
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- Gender estimation based on supervised HOG, Action Units and feature extraction**  
Mohammad Javidan Darugar ; Loo Chu Kiong  
2017 Artificial Intelligence and Robotics (IRANOPEN)  
Year: 2017 | Conference Paper | Publisher: IEEE  
Cited by: Papers (2)  
▶ Abstract         (870 Kb)    
- A New Two-Directional Two-Dimensional Feature Extraction Based on Manifold Learning**   
Yong-zhi Li ; Guo-dong Li ; Jing-yu Yang  
2009 International Conference on Artificial Intelligence and Computer Science  
Year: 2009 | Volume: 2 | Conference Paper | Publisher: IEEE  
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Authors

Figures

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Citations

Keywords

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## Authors

Shaoqing Ren

University of Science and Technology of China, Hefei, Anhui, China

Shaoqing Ren received the BS degree from the University of Science and Technology of China in 2011. He received the PhD degree in a joint PhD program between University of Science and Technology of China and Microsoft Research Asia. His research interests are in computer vision, especially in detection and localization of general objects and faces.

Kaiming He 

Visual Computing Group, Microsoft Research, Beijing, China

了解作者详情

Kaiming He received the BS degree from Tsinghua University in 2007, and the PhD degree from the Chinese University of Hong Kong in 2011. He is a lead researcher at Microsoft Research Asia. He joined Microsoft Research Asia in 2011. His current research interests are deep learning for visual recognition, including image classification, object detection, and semantic segmentation. He has won the Best Paper Award at CVPR 2009.

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### Affiliation

Visual Computing Group  
Microsoft Research  
Beijing, China

### Publication Topics

object detection, neural nets, image segmentation, learning (artificial intelligence), feature extraction, image classification, object recognition, computer vision, image annotation, pose

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### Biography

Kaiming He received the BS degree from the Chinese University of Hong Kong. He joined Microsoft Research Asia in 2009, where he focuses on visual recognition, including image classification. He has won the Best Paper Award at the

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Co-Authors:

Serge Belongie  
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## SR Latch: The Wrong Introduction to Digital Memory

Publisher: IEEE [Cite This](#) [PDF](#)

Abdulhadi Shoufan [All Authors](#)

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**Abstract:**  
For over 60 years, textbooks on digital logic design have followed a semi-unified way to introduce the concept of digital memory. This method starts from a simple gate-based SR latch and applies several rectifications on it to obtain the D flip-flop. This method seems to have been influenced by the historical evolution of the SR latch from its relay-based variant in the 19th century, through its vacuum-tube version, to the transistor-based implementation. I argue that introducing the digital memory using this approach is problematic for learning as it implies several technical and pedagogical issues. This paper highlights these issues and proposes an alternative method which is based on an intuitive specification of the memory concept and a careful reasoning of related ideas including edge-sensitivity, synchronization, and the clock. I recommend adopting this method in textbooks and other learning resources.

**Published in:** 2020 IEEE International Symposium on Circuits and Systems (ISCAS)  
**Date of Conference:** 10-21 Oct. 2020 **DOI:** 10.1109/ISCAS45731.2020.9181122  
**Date Added to IEEE Xplore:** 28 September 2020 **Publisher:** IEEE  
**ISBN Information:** **Conference Location:** Sevilla, Spain  
**ISSN Information:**

Document Sections

- Introduction
- Textbook method for introducing the concept of 1-bit memory
- Technical and pedagogical issues in the textbook method
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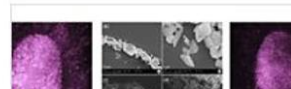
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


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# 电气电子领域 高被引期刊

2. IEEE Transactions on Pattern Analysis and Machine Intelligence
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5. IEEE Wireless Communications Magazine
6. IEEE Signal Processing Magazine
7. IEEE Communications Magazine
8. Proceedings of the IEEE
9. IEEE Internet of Things Journal
10. IEEE Transactions on Fuzzy Systems
11. IEEE Transactions on Image Processing
12. IEEE Network
13. IEEE Transactions on Neural Networks and Learning Systems
14. IEEE Transactions on Smart Grid
15. IEEE Vehicular Technology Magazine
16. IEEE Transactions on Industrial Electronics
17. IEEE Transactions on Sustainable Energy
20. IEEE Transactions on Wireless Communications
21. IEEE Transactions on Medical Imaging
22. IEEE Transactions on Power Electronics
23. IEEE Transactions on Intelligent Transportation Systems
24. IEEE Transactions on Software Engineering
25. IEEE Transactions on Power Systems
26. IEEE Transactions on Information Forensics and Security
27. IEEE Transactions on Geoscience and Remote Sensing
28. IEEE/ASME Transactions on Mechatronics
29. IEEE Transactions on Communications
30. IEEE Transactions on Automatic Control

# 通信领域 高被引期刊

1. IEEE Communications Surveys and Tutorials
2. IEEE Journal on Selected Areas in Communications
3. IEEE Wireless Communications Magazine
4. IEEE Communications Magazine
5. IEEE Internet of Things Journal
6. IEEE Network
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9. IEEE Transactions on Multimedia
10. IEEE Transactions on Emerging Topics in Computing
11. IEEE Transactions on Communications
13. IEEE Transactions on Vehicular Technology
14. IEEE Transactions on Mobile Computing
17. IEEE Wireless Communications Letters
19. IEEE Transactions on Cognitive Communications and Networking
20. IEEE Pervasive Computing Magazine
21. IEEE Transactions on Antennas And Propagation
22. Journal of Lightwave Technology
23. IEEE Consumer Electronics Magazine
24. IEEE Systems Journal
25. IEEE Antennas and Propagation Magazine



# 计算机领域 高被引期刊

## **Computer Science—Hardware & Architecture**

#1 IEEE Wireless Communications Magazine

#2 IEEE Network

#3 IEEE Transactions on Neural Networks and Learning Systems

#5 IEEE Transactions on Dependable and Secure Computing

## ➤ **Computer Science—Software Engineering**

#3 IEEE Transactions on Dependable and Secure Computing

#4 IEEE Transactions on Software Engineering

#5 IEEE Transactions on Multimedia

## ➤ **Computer Science—Information Systems**

#1 IEEE Communications Surveys and Tutorials

#2 IEEE Wireless Communications Magazine

#3 IEEE Internet of Things Journal

#4 IEEE Network

## ➤ **Computer Science—Artificial Intelligence**

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#3 IEEE Transactions on Evolutionary Computation

#5 IEEE Transactions on Cybernetics

## 自动化控制领域 高被引期刊

### Automation and Control Systems

- #1 IEEE Transactions on Cybernetics
- #2 IEEE Transactions on Systems, Man, and Cybernetics: Systems
- #3 IEEE Transactions on Industrial Informatics
- #4 IEEE Transactions on Industrial Electronics
- #5 IEEE Control Systems Magazine

## 交通领域 高被引期刊

### Imaging Science & Photographic Technology

- #1 IEEE Geoscience and Remote Sensing Magazine
- #4 IEEE Transactions on Medical Imaging
- #5 IEEE Transactions on Geoscience and Remote Sensing

## 图像领域 高被引期刊

### Imaging Science & Photographic Technology

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- #3 IEEE Transactions on Medical Imaging
- #5 IEEE Transactions on Geoscience and Remote Sensing

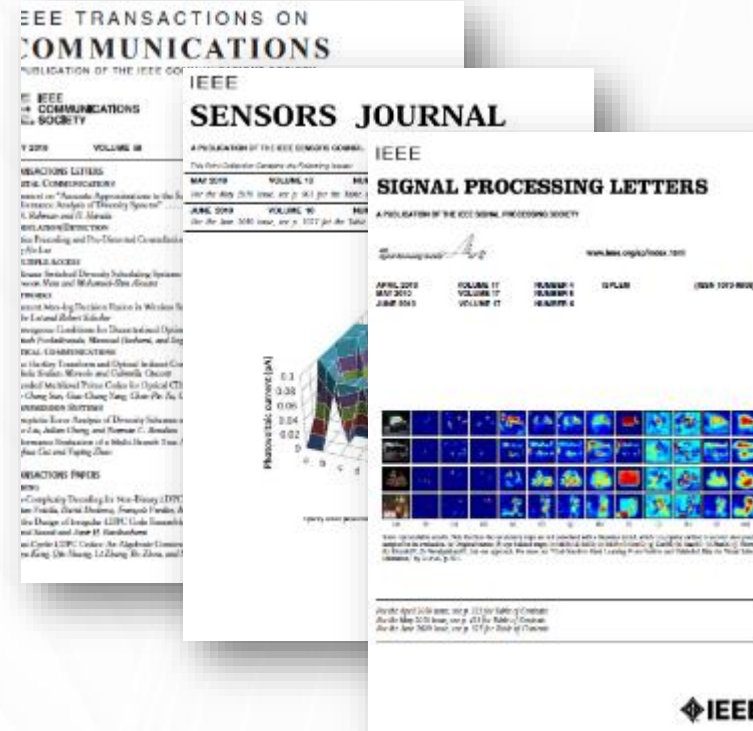
# 2020 IEEE 新刊

## New Periodicals for 2020

- ✓ IEEE Journal of Emerging and Selected Topics in Industrial Electronics
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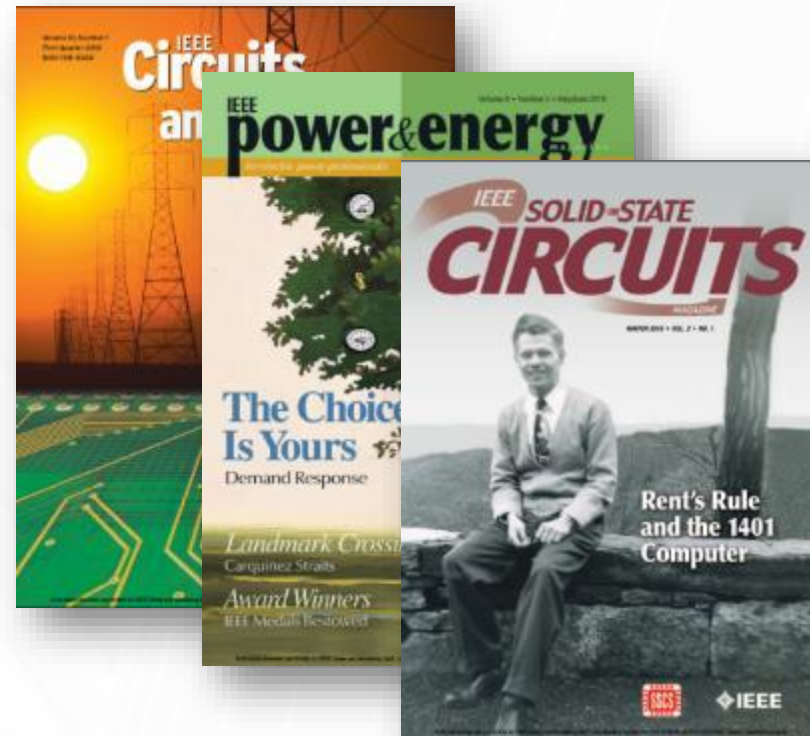
# 学术期刊

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  - The primary purpose of Journals, Transactions, and Letters is to disclose and provide a permanent archival record of original technical work that advances the state of the art or provides novel insights.
  - Letters are for the publication of brief papers, usually three to four pages in length.



# 技术杂志

- **Magazines** are characterized by regular and continuing issues with significant technical content in addition to general news and regular columns
  - IEEE Communications Magazine
  - IEEE Microwave Magazine
  - IEEE Signal Processing Magazine
  - IEEE Instrumentation & Measurement Magazine
  - .....





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▼ **Periodicals:** (115 results) Sort By:

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<a href="#">Pervasive Computing, IEEE</a>	No Open Access	3.022	Not yet available
<a href="#">IT Professional</a>	No Open Access	1.618	Not yet available
<a href="#">Cloud Computing, IEEE</a>	No Open Access	2.912	Not yet available

▼ **Conferences:** (432 results) Sort By:

Title   Location	Country	Abstract Submission Deadline	Conference Date
<a href="#">2019 7th International Conference on Future Internet of Things and Cloud (FiCloud)</a> <b>Location:</b> Divan Hotel Istanbul, Asker Ocağı Caddesi , No:1, Taksim, Istanbul, Turkey	Turkey	11 Mar 2019	26-28 Aug 2019
<a href="#">2019 IEEE International Conference on Smart Internet of Things (SmartIoT)</a> <b>Location:</b> Tianjin University, Tianjin, China	China		09-11 Aug 2019
<a href="#">2019 IEEE International Conference on Internet of Things and Intelligence System (IoTALS)</a> <b>Location:</b> BALI, Indonesia	Indonesia		05-07 Nov 2019

<http://publication-recommender.ieee.org/home>

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Publisher: IEEE Years: 2014 - Present Most Recent Issue

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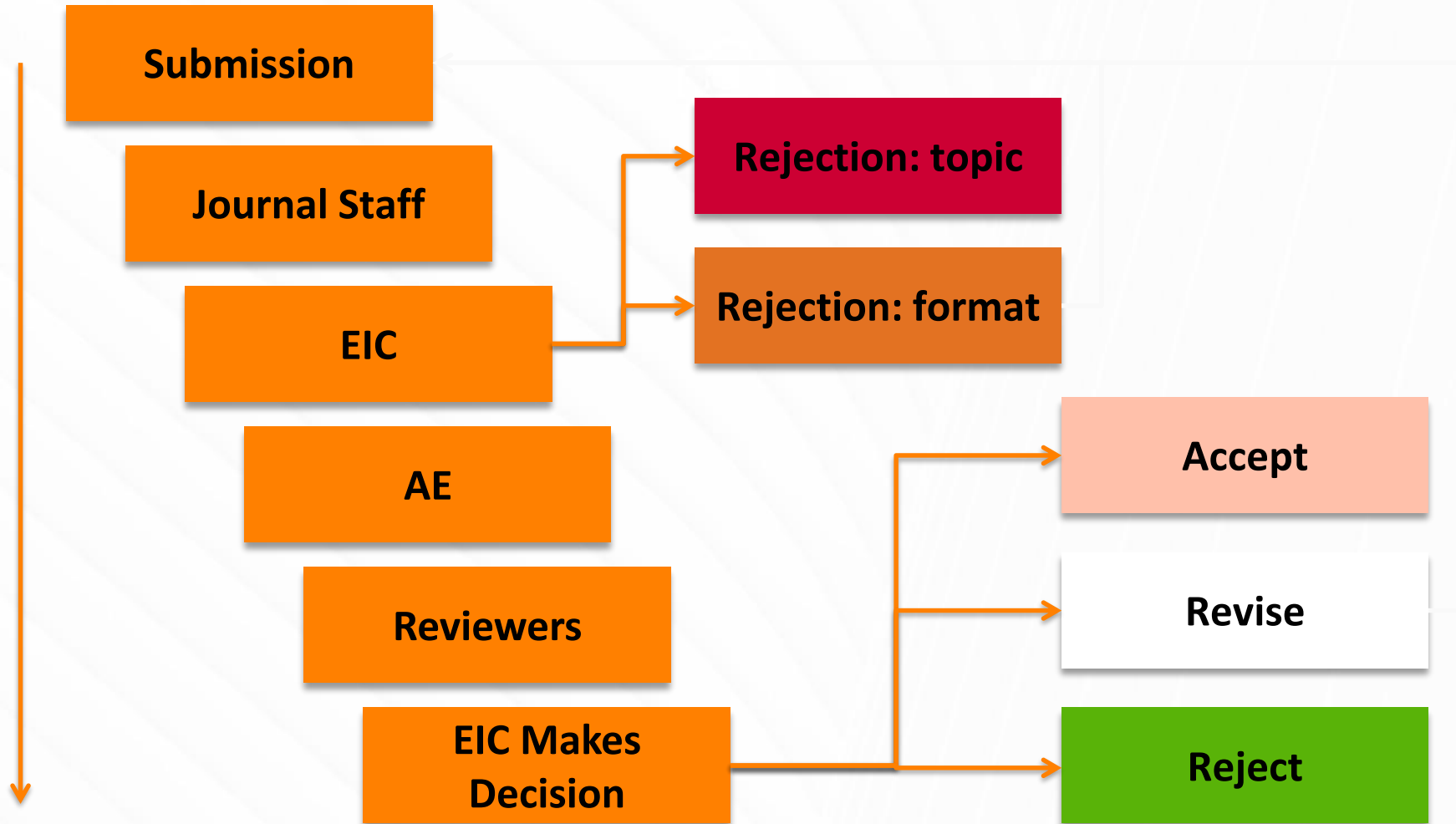
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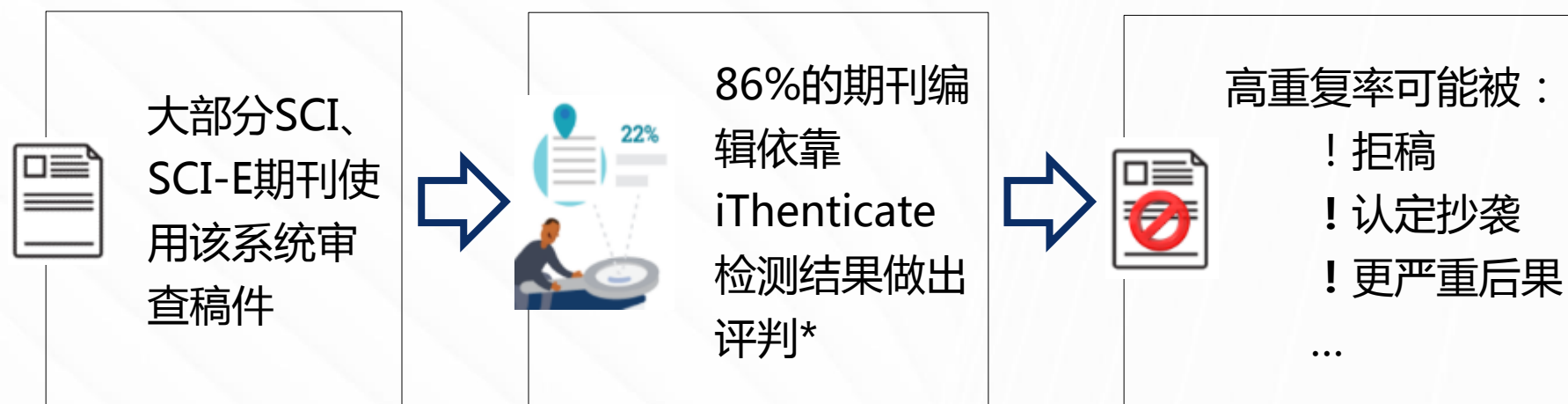




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**Year** ^

Single Year | Range

2011  2016

From  To

**Cloud Computing and Intelligence Systems (CCIS), IEEE International Conference on**  
Publisher: IEEE

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- 2016 2016 4th International Conference on Cloud Computing and Intelligence Systems (CCIS)
- 2014 2014 IEEE 3rd International Conference on Cloud Computing and Intelligence Systems
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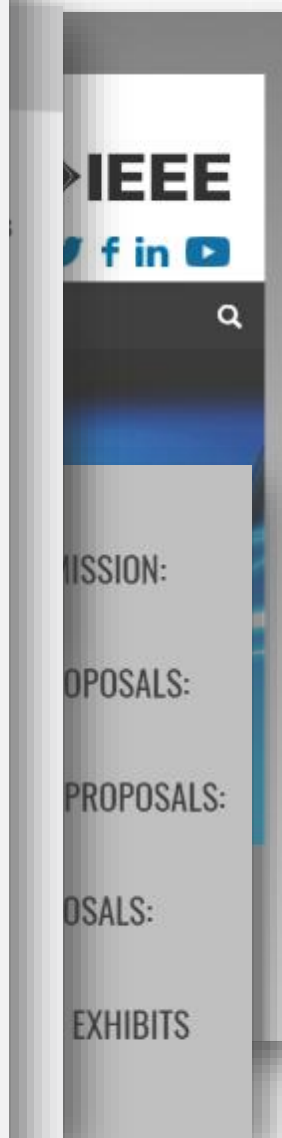
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主题四: 以 IEEE 为例谈专业学协会对理工科学生职业发展的影响	11月05日	19:30-20:30
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主题一 (b) : IEEE Xplore 数据库高阶检索	10月15日	19:30-20:30
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主题四: 以 IEEE 为例谈专业学协会对理工科学生职业发展的影响	11月05日	19:30-20:30
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