



IEEE智慧科研三重奏：

AI驱动文献挖掘 x 论文黄金架构 x 选刊决策引擎



大纲

- ▶ 解锁IEEE Xplore资源宝库——全球顶尖科技资源检索平台介绍
- ▶ 揭秘高效检索科研文献的N种方法——AI驱动的文獻挖掘及热点把控
- ▶ 介绍IEEE科技文献英文写作——黄金结构解析与写作范式
- ▶ 解析精准选刊的策略与投稿的全部流程——选刊决策引擎

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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**190**多个国家地区，会员超过**48**万人（统计截止2025年2月）



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39个专业协会

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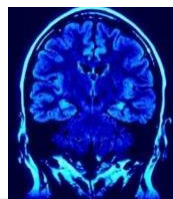
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More than just electrical engineering & computer science

- Aerospace & Defense
- Automotive Engineering
- Biomedical Engineering
- Circuits & Systems
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- Communications
- Computer Software
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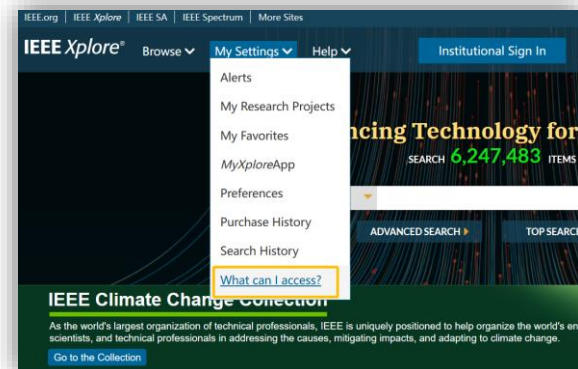
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Affiliation
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has published more than 100 technical papers in peer-refereed journals and prestigious conference proceedings. His research interests include rehabilitation robot, intelligent control, and neural networks. Dr. Chen... [Show More](#)

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Citations 
6,242

Publications by Year



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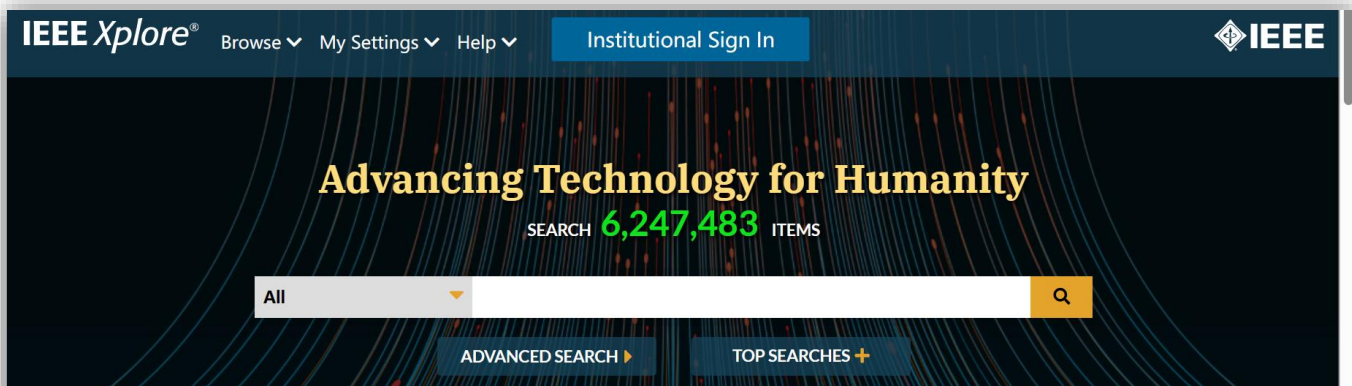
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23 - 26 February 2025 | Dubai, United Arab Emirates | Event Format: In-person

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Field of Interest: Communication, Networking and Broadcast Technologies; Components, Circuits, Devices and Systems; Fields, Waves and Electromagnetics; Photonics and Electrooptics; Signal Processing and Analysis

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一框式检索(Global Search)

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3. 自动获取词根: 名词单复数, 动词时态变换, 英式美式拼写
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6. 支持命令检索: 如"Abstract": artificial AND "Publication Title": intelligence
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文献检索: robot vs robot*

Showing 1-25 of 253,974 results for **robot***

☐ Conferences (213,163) ☐ Journals (34,190) ☐ Magazines (4,052) ☐ Books (1,297)

☐ Early Access Articles (1,222) ☐ Standards (41) ☐ Courses (9)

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☐ Conferences (274,632) ☐ Journals (53,170) ☐ Magazines (6,219) ☐ Early Access Articles (1,222)

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☐ **A study on the risk investigation of robot**
Gi-En Yu; Seung-Taek Hong; Ki-yeon Lee
2017 17th International Conference on Information and Communication Technology Robotics (ICT-ROBOT)
Year: 2017 | Conference Paper | Publisher: IEEE
Cited by: Papers (3)

Abstract HTML PDF CC

☐ **Vision-based Waypoints Trajectory Optimization for Robot**
Yao Hu; Liwei Shi; Shuxiang Guo; Hongbin Li
2019 IEEE International Conference on Robotics and Automation (ICRA)
Year: 2019 | Conference Paper | Publisher: IEEE

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☐ **Software Framework for an Intelligent Mobile Manipulation Robot**
Seung-Joon Yi
2018 International Conference on Information and Communication Technology Robotics (ICT-ROBOT)
Year: 2018 | Conference Paper | Publisher: IEEE
Cited by: Papers (3)

Abstract HTML PDF CC

☐ **I'm trying to think, but nothing happens! [robotics]**
B.R. Carlisle
Proceedings of 1995 IEEE International Conference on Robotics and Automation
Year: 1995 | Conference Paper | Publisher: IEEE

Abstract PDF CC

☐ **Two mobile robots sharing topographical knowledge generated by the region-feature neural network**
J.A. Janet; D.S. Schudel; M.W. White; A.G. England; J.C. Sutton; E. Grant; W.E. Snyder
Proceedings of International Conference on Robotics and Automation
Year: 1997 | Conference Paper | Publisher: IEEE

文献检索: Power Consumption vs "Power Consumption"

Showing 1-25 of 191,103 results for **Power Consumption** ×

☐ Conferences (148,095)☐ Journals (39,050)☐ Magazines (2,574)☐ Early Access Articles (768)☐ Books (453)☐ Standards (158)☐ Courses (5)

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☐ **Research on operation strategy of grid voltage stability and clean energy**
Yazhou Lv; Qiang Zhou; Zhaohui Qie; Peng
2021 International Conference on Power
Year: 2021 | Conference Paper | Published
Cited by: Papers (1)

Abstract HTML PDF CC

☐ **Research on the application of energy storage in the construction of pumped storage**
Fanqi Huang; Hao Zhang; Yikai Li; Yumin
2023 8th International Conference on Power
Year: 2023 | Conference Paper | Published

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Showing 1-25 of 128,722 results for **"Power Consumption"** ×

☐ Conferences (98,519)☐ Journals (27,903)☐ Magazines (1,499)☐ Early Access Articles (768)☐ Books (246)☐ Standards (129)☐ Courses (5)

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☐ **Trend Analysis of Building Power Consumption Based on Prophet Algorithm** 🔒
Feixiang Gong; Ninghui Han; Dezhi Li; Shiming Tian
2020 Asia Energy and Electrical Engineering Symposium (AEEES)
Year: 2020 | Conference Paper | Publisher: IEEE
Cited by: Papers (7)

Abstract HTML PDF CC

☐ **Research on New Business of Smart Power Consumption** 🔒
Tian Shiming; Li Dezhi; Zhang Yang; Zheng Zhengxian; Gong Feixiang; Jin Zhengjun;
Ma Chuang; Wei Yinwu
2020 5th International Conference on Power and Renewable Energy (ICPRE)
Year: 2020 | Conference Paper | Publisher: IEEE
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AI驱动的文獻挖掘-利用deepseek构建检索式

The screenshot shows the IEEE Xplore search interface. At the top, there's a search bar with the query "network security" OR cybersecurity OR "information security" OR "internet security". Below the search bar, there are filters for document types: Conferences (85,052), Journals (14,950), Magazines (3,934), Books (2,168), Early Access Articles (559), Standards (424), and Courses (26). The search results are sorted by Relevance. The first result is "Internet Security Protection in Personal Sensitive Information" by Yubin Wang, Chao Li, and Nan Cheng, published in 2014 at the 2014 Tenth International Conference on Computational Intelligence and Security. The second result is "Analysis of the Integration of Computer Network Security and Big Data Technology" by Lei Zhan, published in 2023 at the 2023 International Conference on Computer Simulation and Modeling, Information Security (CSMIS). The third result is "Research on the Application of Intelligent Learning Algorithms in Network Security". On the right side, there are two promotional banners: "Smart City Technologies: Transformation of Cities eLEARNING COURSE PROGRAM" and "Get Published in the IEEE Open Journal of the Solid-State Circuits Society".

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☐ Early Access Articles (559) ☐ Standards (424) ☐ Courses (26)

Search

☐ Select All

Sort By **Relevance**

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Year

☒ Range ☐ Single Year

1909 2025

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☐ **Internet Security Protection in Personal Sensitive Information**

Yubin Wang; Chao Li; Nan Cheng
2014 Tenth International Conference on Computational Intelligence and Security
Year: 2014 | Conference Paper | Publisher: IEEE
Cited by: [Papers \(2\)](#)

Abstract [HTML](#)

☐ **Analysis of the Integration of Computer Network Security and Big Data Technology**

Lei Zhan
2023 International Conference on Computer Simulation and Modeling, Information Security (CSMIS)
Year: 2023 | Conference Paper | Publisher: IEEE

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☐ **Research on the Application of Intelligent Learning Algorithms in Network Security**

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☐ Conferences (88,953)

☐ Journals (45,077)

☐ Books (3,475)

☐ Early Access Articles (3,064)

☐ Magazines (2,327)

☐ Standards (89)

☐ Courses (24)

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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

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Teaching mode of artificial intelligence adaptive learning

Technological Structure of AI in Education

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Most Trending Topics

Application of computer artificial intelligence in learning methods

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Keywords co-occurrence map

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文献排序

相关文献推荐



聚类分析功能

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☒ Range ☐ Single Year

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☐ Mohsen Guizani (454)
☐ Licheng Jiao (393)
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☐ Wei Wang (281)
☐ Dusit Niyato (234)
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☐ Wei Li (178)
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☐ Fei-Yue Wang (173)
☐ Jun Zhang (172)
☐ Shuyuan Yang (158)

Affiliation

☐ School of Artificial Intelligence, University of Chinese Academy of Sciences, Beijing, China (1,117)
☐ Chitkara University Institute of Engineering and Technology, Chitkara University, Punjab, India (683)
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☐ Peng Cheng Laboratory, Shenzhen, China (341)
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☐ State Key Laboratory of Multimodal Artificial Intelligence Systems, Institute of Automation, Chinese Academy of Sciences, Beijing, China (314)
☐ School of Artificial Intelligence, Xidian University, Xi'an, China (296)

Publication Title

☐ IEEE Access (24,510)
☐ IEEE Transactions on Neural Networks and Learning Systems (1,459)
☐ IEEE Internet of Things Journal (1,198)
☐ IEEE Transactions on Pattern Analysis and Machine Intelligence (1,165)
☐ IEEE Transactions on Artificial Intelligence (988)
☐ IEEE Transactions on Geoscience and Remote Sensing (895)
☐ IEEE Transactions on Image Processing (857)
☐ IEEE Transactions on Circuits and Systems for Video Technology (762)
☐ IEEE Journal of Biomedical and Health Informatics (611)
☐ IEEE Transactions on Multimedia (578)
☐ IEEE Transactions on Intelligent Transportation Systems (540)
☐ IEEE Transactions on Instrumentation and Measurement (517)

Publication Topics

☐ Neural Network (37,476)
☐ Deep Learning (37,361)
☐ Convolutional Neural Network (37,042)
☐ Machine Learning (32,288)
☐ Learning Algorithms (20,305)
☐ Support Vector Machine (18,573)
☐ Deep Neural Network (15,012)
☐ Convolutional Layers (13,375)
☐ Artificial Neural Network (13,279)
☐ Long Short-term Memory (12,753)
☐ Artificial Intelligence (12,075)
☐ Training Set (11,332)
☐ Recurrent Neural Network (11,231)
☐ Internet Of Things (11,100)
☐ Machine Learning Models (10,630)
☐ Deep Learning Models (10,030)
☐ Generative Adversarial Networks (9,692)

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☒ Media (2,812)

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☐ Immersive Articles (4)

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☐ 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 \(3725\)](#)

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Media ▲



Description ⓘ

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

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☐ **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)

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

Licensor: Creative Commons Attribution ©

↓ ACCESS DATASET

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4173 Views

Categories: Artificial Intelligence

Keywords: TB CXR

Code & Datasets

Code

Dataset

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

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Dataset Name: TUBERCULOSIS (TB) CHEST X-RAY DATABASE

辅助材料-Code

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Code & Datasets

Code

Dataset



This article includes code hosted on Code Ocean, a computational reproducibility platform that allows users to view, modify, run, and download code included with IEEE *Xplore* articles. NOTE: A Code Ocean user account is required to access functionality in the capsule below.

Code Python Deep Learning for Cellular Traffic Prediction

Help Shape Code Ocean's Future! Please Take our Short User Survey Now! <https://forms.gle/c7mEap8w7pgpPb568>

Deep Learning for Cellular Traffic Prediction (Chuanting Zhang)

[Edit Capsule](#) [Raw](#)

Files

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 - LICENSE 1.04 KB
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 - best_model 388.99 KB
 - LICENSE 18.88 KB
 - .gitignore 7 B
 - Results 59.92 KB
- Other Files

README.md

Basic operation

This is the code for "Citywide Cellular Traffic Prediction Based on Densely Connected Convolutional Neural Networks".

Users can run "demo_densenet.py" to train the model and the results will be generated and stored in the repository.

If you just want to see the prediction results without time to run the code, you can simply run "run_prediction.py", and you will also obtain the results.

辅助材料-Video

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- 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
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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.

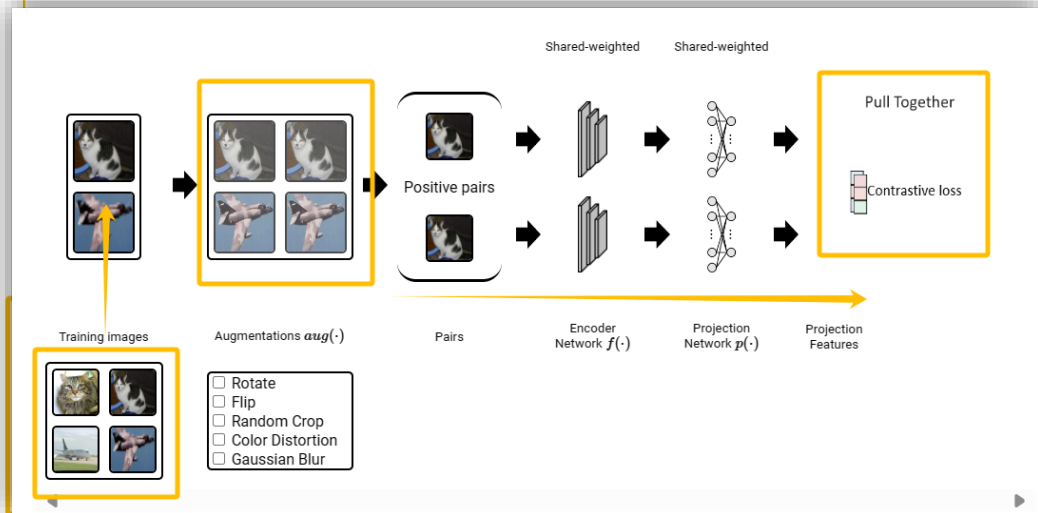


Figure 2:

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

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A Deep Learning Approach for Intrusion Detection Using Recurrent Neural Networks

Publisher: IEEE

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Intrusion detection plays an important role in ensuring information security, and the key technology is to accurately identify various attacks in the network. In this paper, we explore how to model an intrusion detection system based on deep learning, and we propose a deep learning approach for intrusion detection using recurrent neural networks (RNN-IDS). Moreover, we study the performance of the model in binary classification and multiclass classification, and the number of neurons and different learning rate impacts on the performance of the proposed model. We compare it with those of J48, artificial neural network, random forest, support vector machine, and other machine learning methods proposed by previous researchers on the benchmark data set. The experimental results show that RNN-IDS is very suitable for modeling a classification model with high accuracy and that its

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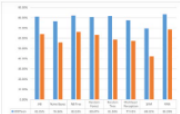
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1. Y. LeCun, Y. Bengio and G. Hinton, "Deep learning", *Nature*, vol. 521, pp. 436-444, May 2015.
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2. J. Schmidhuber, "Deep learning in neural networks: An overview", *Neural Netw.*, vol. 61, pp. 85-117, Jan. 2015.
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2. Ulya Sabeel, Shahram Shah Heydari, Khalil El-Khatib, Khalid Elgazzar, "Unknown, Atypical and Polymorphic Network Intrusion Detection: A Systematic Survey", *IEEE Transactions on Network and Service Management*, vol.21, no.1, pp.1190-1212, 2024.
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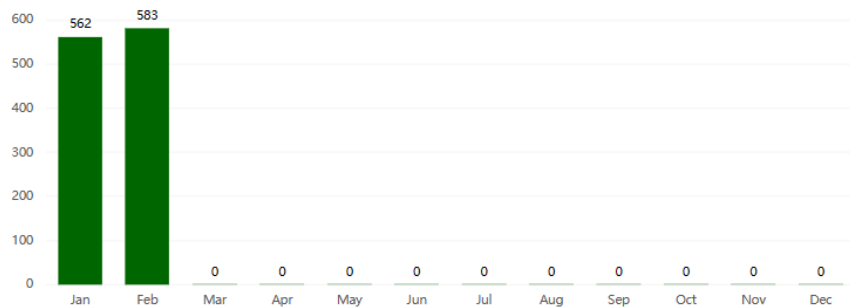


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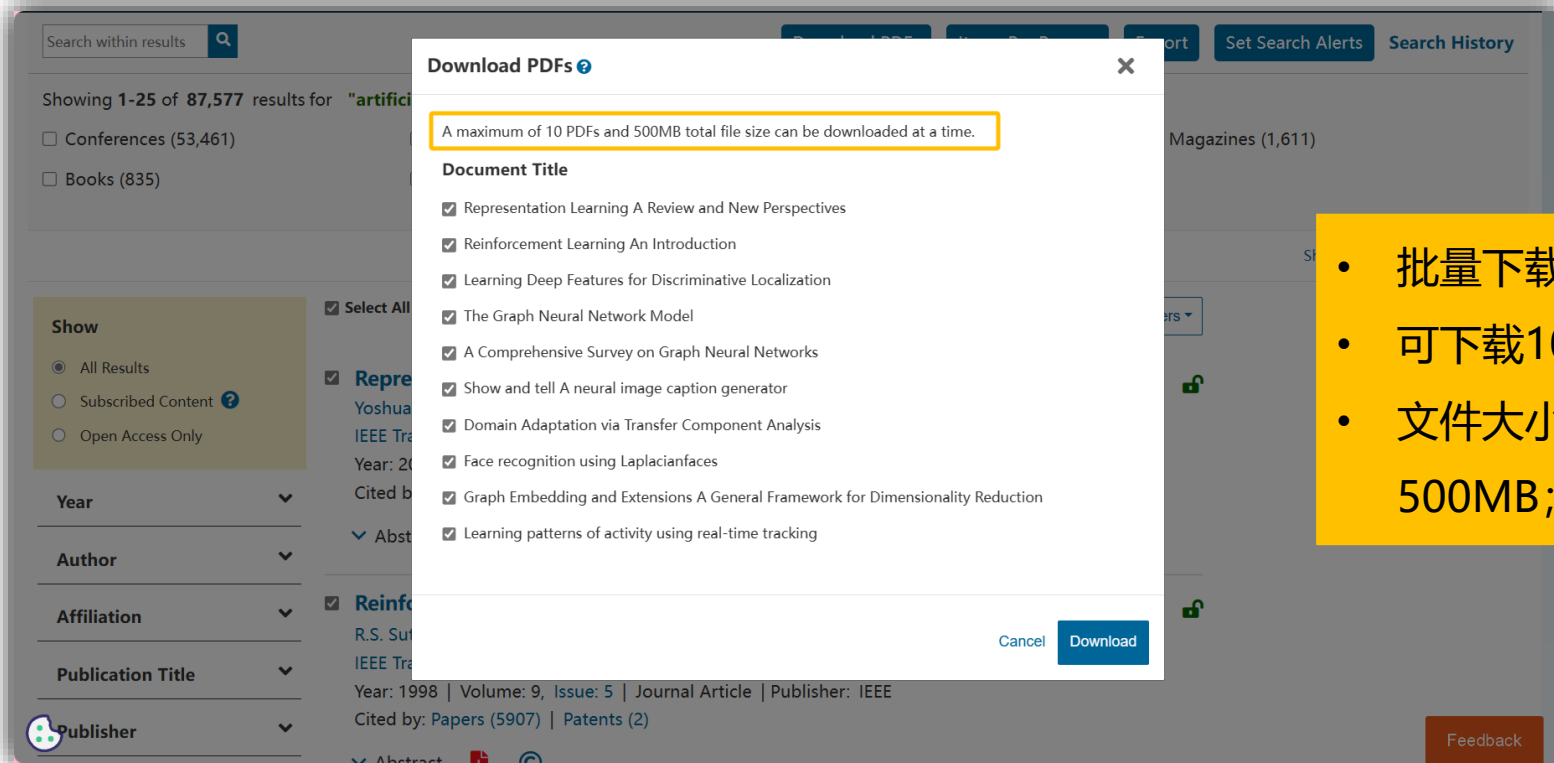
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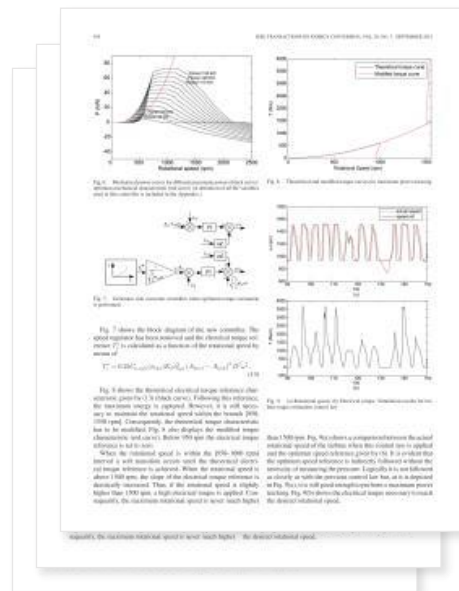
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Taking the Human Out of the Loop: A Review of Bayesian Optimization

The paper introduces the reader to Bayesian optimization, highlighting its methodical aspects and showcasing its applications.

By BOBAK SHAHRIARI, KEVIN SWERSKY, ZIYU WANG, RYAN P. ADAMS, AND NANDO DE FREITAS

ABSTRACT | Big Data applications are typically associated with systems involving large numbers of users, massive complex software systems, and large-scale heterogeneous computing and storage architectures. The construction of such systems involves many distributed design choices. The end products (e.g., recommendation systems, medical analysis tools, real-time game engines, speech recognizers) thus involve many tunable configuration parameters. These parameters are often specified and hard-coded into the software by various developers or teams. If optimized jointly, these parameters can result in significant improvements. Bayesian optimization is a powerful tool for the joint optimization of design choices that is gaining great popularity in recent years. It promises greater automation so as to increase both product quality and human productivity. This review paper introduces Bayesian optimization, highlights some of its methodological aspects, and showcases a wide range of applications.

KEYWORDS | Decision making; design of experiments; optimization; response surface methodology; statistical learning

1. INTRODUCTION

Design problems are pervasive in scientific and industrial endeavours: scientists design experiments to gain insights

into physical and social phenomena, engineers design machines to execute tasks more efficiently, pharmaceutical researchers design new drugs to fight disease, companies design websites to enhance user experience and increase advertising revenue, geologists design exploration strategies to harness natural resources, environmentalists design sensor networks to monitor ecological systems, and developers design software to drive computers and electronic devices. All these design problems are fraught with choices, choices that are often complex and high dimensional, with interactions that make them difficult for individuals to reason about.

For example, many organizations routinely use the popular mixed integer programming solver IBM ILOG CPLEX¹ for scheduling and planning. This solver has 76 free parameters, which the designers must tune manually—an overwhelming number to deal with by hand. This search space is too vast for anyone to effectively navigate.

More generally, consider teams in large companies that develop software libraries for other teams to use. These libraries have hundreds or thousands of free choices and parameters that interact in complex ways. In fact, the level of complexity is often so high that it becomes impossible to find domain experts capable of tuning these libraries to generate a new product.

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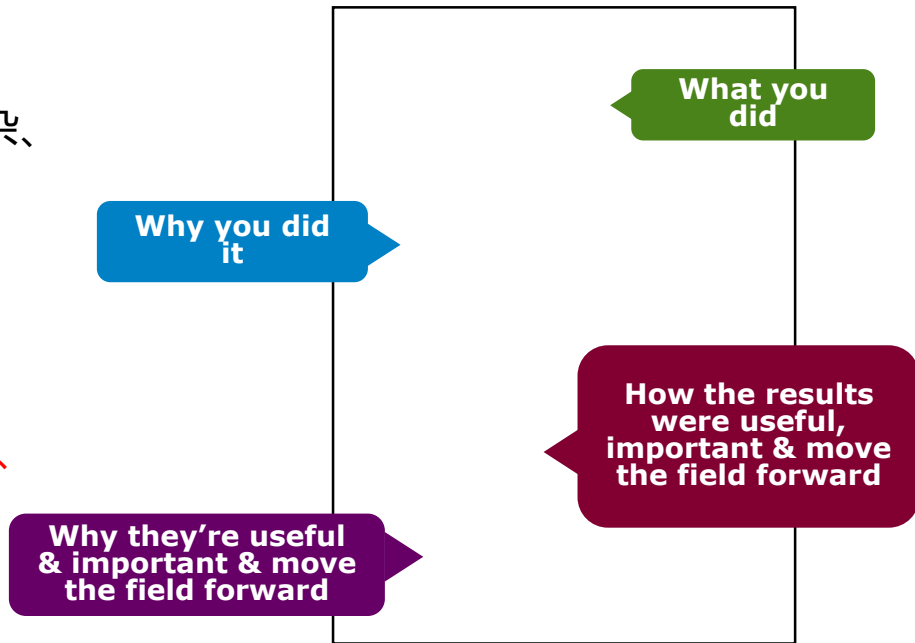
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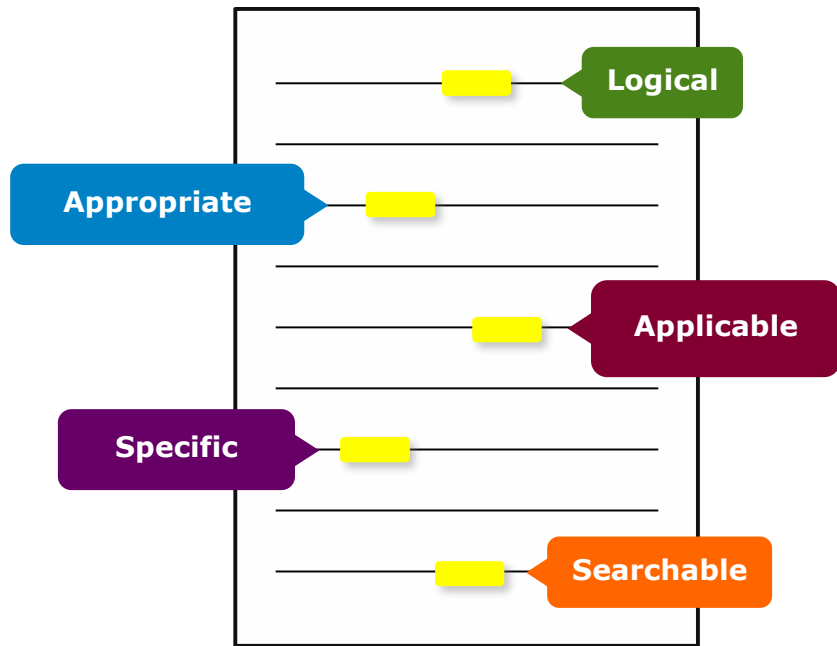


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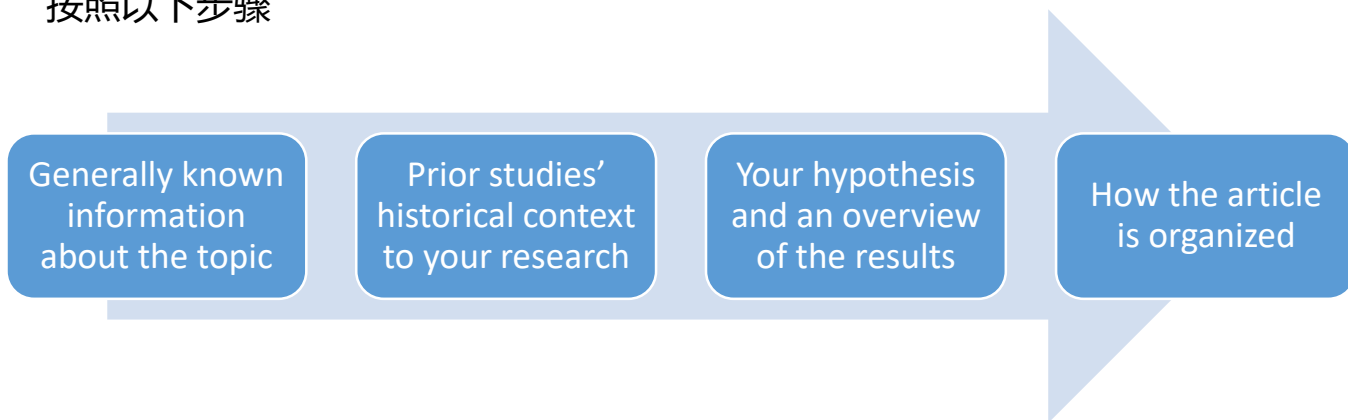
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points or trends in data





(7) 总结

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- 提供以下优缺点
 - 展示的解决方案
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SECTION IX.

CONCLUDING REMARKS

In this paper, we have introduced Bayesian optimization from a modeling perspective. Beginning with the beta-Bernoulli and linear models, and extending them to nonparametric models, we recover a wide range of approaches to Bayesian optimization that have been introduced in the literature. There has been a great deal of work that has focused heavily on designing acquisition functions; however, we have taken the perspective that the importance of this plays a secondary role to the choice of the underlying surrogate model.

In addition to outlining different modeling choices, we have considered many of the design decisions that are used to build Bayesian optimization systems. We further highlighted relevant theory as well as practical considerations that are used when applying these techniques to real-world problems. We provided a history of Bayesian optimization and related fields and surveyed some of the many successful applications of these methods. We finally discussed extensions of the basic framework to new problem domains, which often require new kinds of surrogate models.

Although the underpinnings of Bayesian optimization are quite old, the field itself is undergoing a resurgence, aided by new problems, models, theory, and software implementations. In this paper, we have attempted to summarize the current state of Bayesian optimization methods; however, it is clear that the field itself has only scratched the surface and that there will surely be many new problems, discoveries, and insights in the future.

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ACKNOWLEDGMENT

The authors would like to thank K. McGill from VA Palo Alto Health Care System and Monica Rojas from Universitat Politècnica de Catalunya for helping to perform the experimental data collection and reviewing a draft of this paper.

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Since $P_t^{A+} - P_t^{A-} = P_t^{A+} - P_t^{A-}$, we then have $P_t^{A+} < P_t^{A+}$, and $P_t^{A-} < P_t^{A-}$. Because the operational cost is an increasing function of (P_t^{A+}, P_t^{A-}) , we obtain that

$$c_{0/10}(P_t^{A+}, P_t^{A-}) < c_{0/10}(P_t^{A+}, P_t^{A-}). \quad (33)$$

Therefore the optimal pair (P_t^{A+}, P_t^{A-}) must satisfy that $P_t^{A+}P_t^{A-} = 0$, i.e., only one of P_t^{A+}, P_t^{A-} can be non-zero. ■

REFERENCES

- [1] "Renewable Energy You Can Count on," Tech. Rep. Union of Concerned Scientists, 2013.
- [2] S. Collier, "Ten steps to a smarter grid," *IEEE Ind. Appl. Mag.*, vol. 16, no. 2, pp. 62–68, 2010.
- [3] J. A. Tarnes, "A realistic renewable energy future," *Sci.*, vol. 283, no. 5428, pp. 187–189, 1999.
- [4] "Exploration of High-Penetration Renewable Electricity Future," Tech. Rep. National Renewable Energy Lab., 2012.
- [5] T. Wachsman and J. Mier, *A Definition of Carbon Footprint*. Hauppauge, NY, USA: Nova Science, 2008.
- [6] J. Carrasco, L. Frangou, J. Blazquez, E. Alvarez, R. Ojeda, M. Pinar, J. Lazo, and V. Moreno-Alfonso, "Power-electronic systems for the grid integration of renewable energy sources: A survey," *IEEE Trans. Ind. Electron.*, vol. 53, no. 4, pp. 1092–1016, 2006.
- [7] H. Ibrahim, A. Ilinca, and J. Perron, "Energy storage systems: characteristics and comparison," *Renewable Sustainable Energy Rev.*, vol. 12, no. 5, pp. 1221–1250, 2008.
- [8] J. Cheloukian, R. de la Muela, L. Sarrin, and A. Gonzalez, "Stochastic joint optimization of wind generation and pumped-storage units in electricity market," *IEEE Trans. Power Syst.*, vol. 23, no. 2, pp. 460–468, 2008.
- [9] T. D. Nguyen, K.-J. Yung, S. Zhang, and T. D. Nguyen, "On the modeling and control of a novel flywheel energy storage system," in *Proc. IEEE Conf. Syst. Man, Cybern.*, 2010, pp. 1395–1401.
- [10] H. Zhao, T. Hu, H. Hu, D. Tuo, T. Siew, and A. Khanlou, "Compositional energy storage system in renewable applications," *IEEE Trans. Power Electron.*, vol. 26, no. 3, pp. 923–930, 2011.
- [11] S. G. Challa and J. F. Miller, "Key challenges and recent progress in batteries, fuel cells, and hydrogen storage for clean energy systems," *J. Power Sources*, vol. 159, no. 1, pp. 73–80, 2006.
- [12] J. Barco and D. Infield, "Energy storage and its use with intermittent renewable energy," *IEEE Trans. Energy Conversion*, vol. 19, no. 2, pp. 441–448, 2004.
- [13] K. G. Vohra, "Compressed air energy storage," *J. Energy*, vol. 2, no. 2, pp. 108–112, 1978.
- [14] C. Abbey and G. Joos, "Supercapacitor energy storage for wind energy applications," *IEEE Trans. Ind. Appl.*, vol. 43, no. 3, pp. 769–776, 2007.
- [15] P. Brown, J. P. Lopes, and M. M. M. M., "Optimization of pumped storage capacity in an isolated power system with large renewable penetration," *IEEE Trans. Power Syst.*, vol. 23, no. 2, pp. 523–531, 2008.
- [16] C. Abbey and G. Joos, "A stochastic optimization approach to rating of energy storage systems in wind-based isolated grids," *IEEE Trans. Power Syst.*, vol. 24, no. 1, pp. 418–426, 2009.
- [17] Y. Zhang, Y. Chen, and G. G. G., "Robust energy management for microgrids with high-penetration renewables," *IEEE Trans. Sustainable Energy*, vol. PP, no. 99, pp. 1–10, 2013.
- [18] S. Boyd, N. Parikh, E. Chu, B. Peleato, and J. Eckstein, "Distributed optimization and statistical learning via the alternating direction method of multipliers," *Foundations Trends Mach. Learning*, vol. 3, no. 1, pp. 1–122, 2010.
- [19] G. Calafiori and M. Campi, "The scenario approach to robust control design," *IEEE Trans. Autom. Contr.*, vol. 51, no. 3, pp. 742–753, 2006.
- [20] A. Shapiro, D. Dentcheva, and A. Ruszczyński, *Lectures on Stochastic Programming: Modeling and Theory*. Philadelphia, NJ, USA: SIAM, 2009.
- [21] Y. Zhang, N. Chen, and G. G. G., "Risk-constrained energy management with multiple wind farms," in *Proc. IEEE PES Smart Grid, Feb. 2013*, pp. 1–6.
- [22] Y. Zhang, N. Chen, Y. Chen, and G. G. G., "Risk-aware management of distributed energy resources," in *Proc. Int. Conf. Digital Signal Process.*, Jul. 2013, pp. 1–5.
- [23] P. Yang and A. Nehorai, "Hybrid energy storage and generation planning with large renewable penetration," in *IEEE Int. Workshop Comput. Adv. Multi-Sensor Adaptive Process.*, Dec. 2013, pp. 1–4.
- [24] EPRI, "Electricity Energy Storage Technology Options: A White Paper Primer on Applications, Costs, and Benefits," Tech. Rep. EPRI, Palo Alto, CA, USA, 2010.
- [25] National Solar Radiation Data Base, [Online]. Available: <http://nrel.gov/solar/nsrdb/>
- [26] S. Wilson, *National Solar Radiation Database 1991–2010 Update: User's Manual*, 2012.
- [27] EPRI, "Renewable Energy Technical Assessment Guide – TAG-RET-2006," Tech. Rep. EPRI, Palo Alto, CA, USA, 2007.
- [28] E.ON, "Hourly Load Data Archive" [Online]. Available: http://www.eon.com/gridinfo/load_data
- [29] M. Grant and S. Boyd, *CVX: Matlab Software for Disciplined Convex Programming*, Version 2.0 Beta 2012 [Online]. Available: <http://cvxr.com/cvx>
- [30] "MISO Daily Report," 2011, Electric Power Market: Midwest (MISO), EPRI [Online]. Available: <http://www.epri.com/markets-overnight-electric/midwest/miso-archives.asp>
- [31] "CAISO Daily Report," 2011, Electric Power Market: California (CAISO), EPRI [Online]. Available: <http://www.epri.com/markets-overnight-electric/california/caiso-archives.asp>



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Arne Nehorai (S'70–M'73–SM'76–F'94) received the B.Sc. and M.Sc. degrees from the Technion, Haifa, Israel, and the Ph.D. degree from Stanford University, Stanford, CA, USA. He is the Eugene and Martha Lehman Professor and Chair of the Prutton M. Green Department of Electrical and Systems Engineering (ESE) at Washington University in St. Louis (WUSTL), St. Louis, MO, USA. Earlier, he was a faculty member at Yale University and the University of Illinois at Chicago. Dr. Nehorai served as Editor-in-Chief of *IEEE Transactions on Signal Processing* from 2000 to 2002. From 2003 to 2005 he was the Vice President of the IEEE Signal Processing Society (SPS), the Chair of the Publications Board, and a member of the Executive Committee of this Society. He was the founding Editor of the special columns on Leadership Reflections in *IEEE Signal Processing Magazine* from 2003 to 2006. He has been a Fellow of the IEEE since 1994, the Royal Statistical Society since 1996, and the AAAS since 2012.

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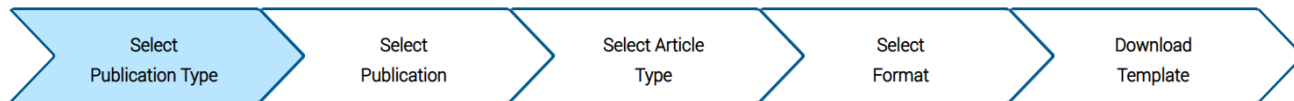
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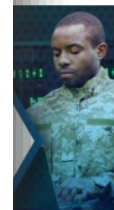


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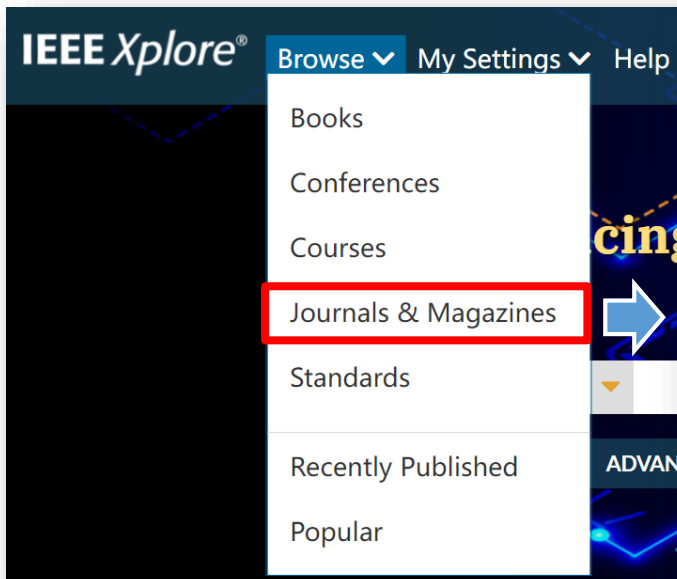
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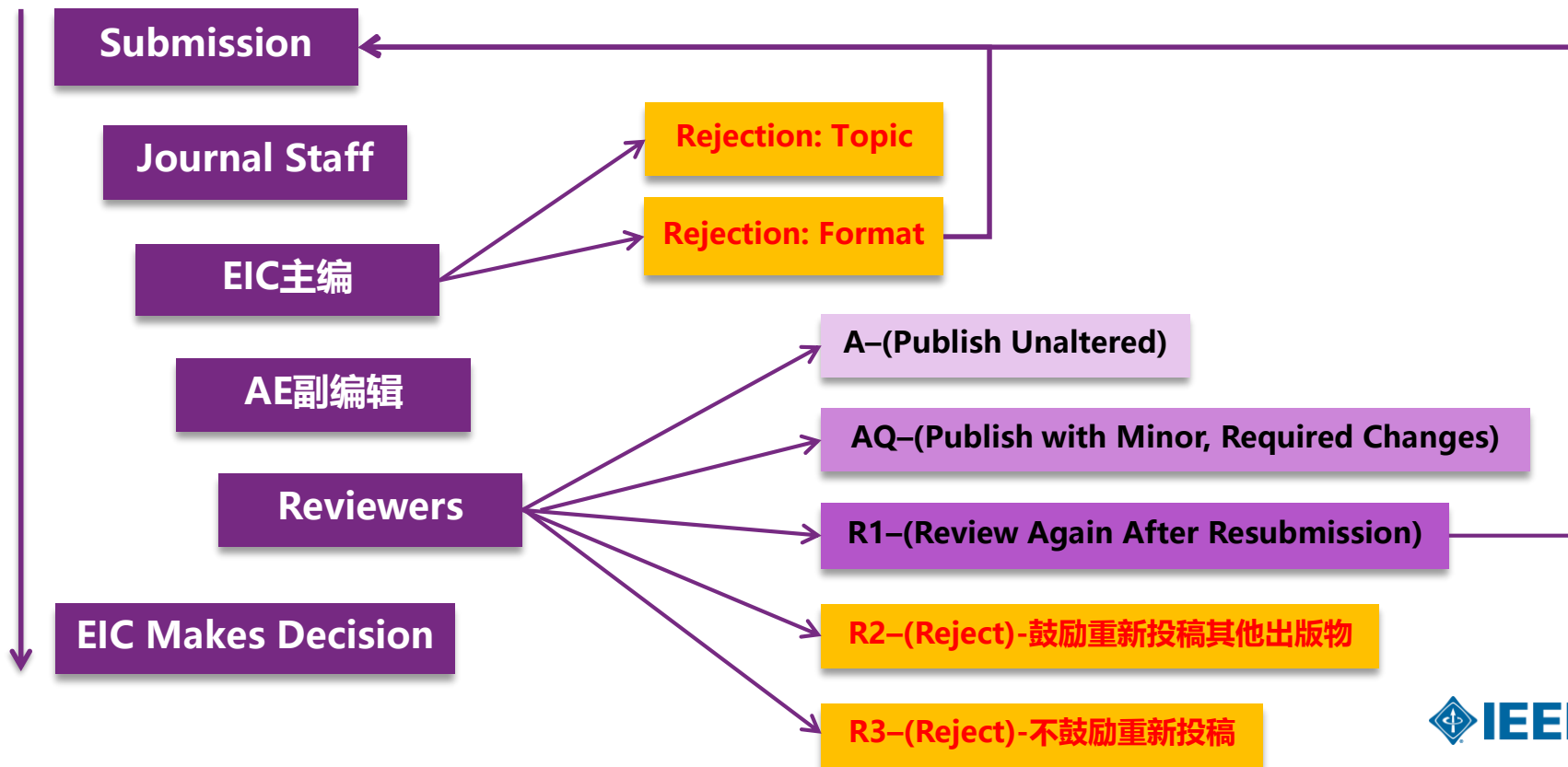
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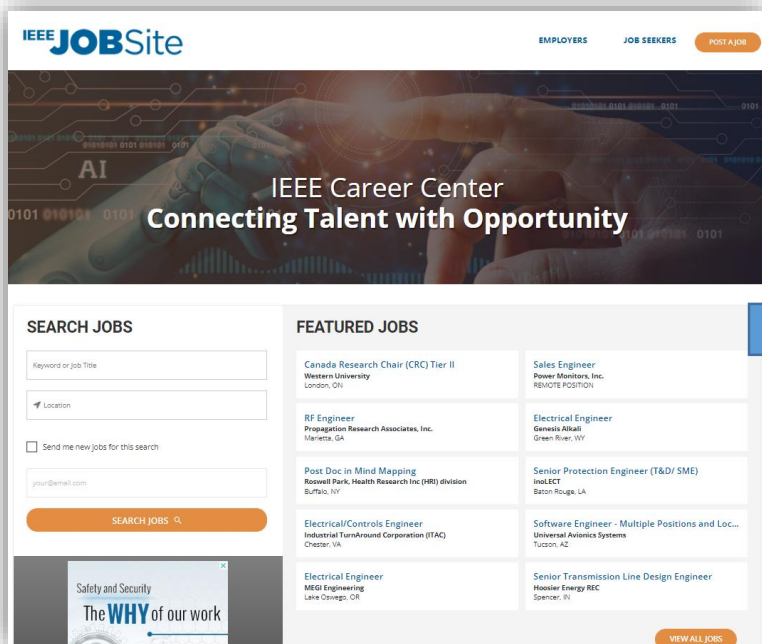
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The screenshot shows a detailed job listing for 'Tenure-track/Tenured Faculty Positions in the Department of Biomedical Engineering' at Southern University of Science and Technology (SUSTech). The listing includes a description of the department, the job information (Job ID: 6245817), location (Shenzhen, Guangdong, China), company name (Southern University of Science and Technology), position title (Tenure-track/Tenured Faculty Positions in the Department of Biomedical Engineering), and job function (Biomedical Engineering). A blue arrow points from the featured jobs section of the homepage to this detailed listing page.

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Description

The Department of Biomedical Engineering, Southern University of Science and Technology (SUSTech), seeks outstanding applicants for full-time tenure-track/tenured faculty positions. Positions are available for both junior and senior-level applicants. Exceptional candidates in any areas are welcome to apply. Our current areas of focus are in mechanomedicine, biomedical/medical imaging, bioMEMS, regenerative medicine, wearable devices/wireless monitoring, and biomedical data science. We seek faculty members who can contribute to the excellence and diversity of our academic community. A globally competitive start-up package will be provided to successful candidates. Applicants must possess a Ph.D. degree in biomedical engineering or relevant fields, demonstrated excellent research contributions, and teaching ability.

All applicants should submit the following documents to bmeh@sustech.edu.cn in a single (merged) PDF document: (1) Curriculum Vitae, (2) a Statement of Research and Teaching Interests, (3) up to three representative publications, and (4) 3 letters of recommendation with contact information.

SUSTech is a research university that ranks 9th in mainland China (Times Higher Education World University Ranking 2020). Established in 2012, SUSTech is a public institution funded by the City of Shenzhen. SUSTech is the first academic institution resulting from the national Chinese Higher Educational Reform. The University's mission is to become a global institution that is recognized for its academic excellence, innovation, and entrepreneurship. The University promotes bilingual education, with lectures and academic seminars conducted in both English and Mandarin. SUSTech is determined to cultivate a place where global talents could share their ideas and develop their skills to better contribute to the local and global society. The city of Shenzhen is a modern metropolis, with some of the world's largest technology giants based here. Shenzhen has been ranked the No. 1 most livable city in China (Chinese Cities Livability Development Index Report 2017) with world's top restaurants, efficient transportation, extensive green spaces, and excellent air quality.

Job Information

Job ID: 6245817

Location: Shenzhen, Guangdong, China

Company Name Per Job: Southern University of Science and Technology (SUSTech)

Position Title: Tenure-track/Tenured Faculty Positions in the Department of Biomedical Engineering

Job Function: Biomedical Engineering

IEEE Xplore MOOC 2025秋季课程

常规课程安排
19:00-20:00

| 主题 | 时间 |
|-------------------------------------|--------|
| 主题一（a）：IEEE Xplore助力高效科研，洞察全球技术趋势 | 9月18日 |
| 主题一（b）：巧用IEEE Xplore进阶检索技巧，精确定位目标文献 | 9月25日 |
| 主题二：AI加持下的IEEE资源动态 | 10月9日 |
| 主题三：IEEE步履不停：领航开放科学之路 | 10月16日 |
| 主题四：IEEE投稿攻略：攻克投稿壁垒 | 10月23日 |
| 主题五：IEEE科技论文发表锦囊 | 10月30日 |
| 主题六：善用IEEE衔接学业与职业发展 | 11月6日 |
| 主题七：IEEE标准简介 | 11月13日 |

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敬请期待

在本季课程中，我们还为大家准备了**特殊场次**，将不定期邀请青年学者进行精彩分享，敬请期待，共同探索！

2025 IEEE Xplore MOOC 秋季课程-青年学者专场

生物医学工程的 科研破局之道



2025年10月29日
晚上19:00-20:30

石永康 深圳大学

· 分享主题: 从文献查阅到科研写作经验分享

· 个人简介: 深圳大学生物医学工程专业硕士研究生, 专注于脑卒中的影像研究方向。通过医学影像技术, 探索脑卒中发生和发展的机制, 力求为早期诊断、治疗方案制定以及疾病预后评估提供科学依据。



韩悌昕 兰州大学第二医院

· 分享主题: 论文投稿与期刊选择—如何借助AI工具提高效率

· 个人简介: 空军军医大学生物医学工程硕士毕业生, 现担任兰州大学第二医院信息中心工程师。累计发表SCI论文4篇, 中文核心期刊3篇。研究方向为电磁成像与人工智能, 生物信息学。



石启伟 中国中医科学院

· 分享主题: 跨学科学习的个人方法与心得感悟

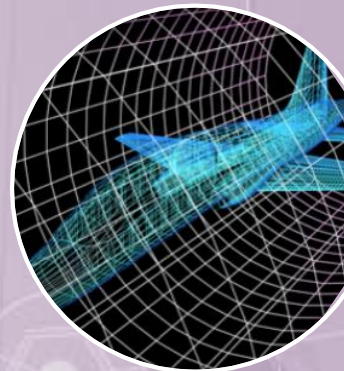
· 个人简介: 电子信息与中医交叉学科背景, 深入参与中医望诊设备研发, 参与多项中医现代化设备研究。参与国家重点研发计划项目、北京冬奥会中医药文化展厅项目、中国中医药大会“AI五离戏”项目。研究方向: 中医药智能装备。



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Thanks!