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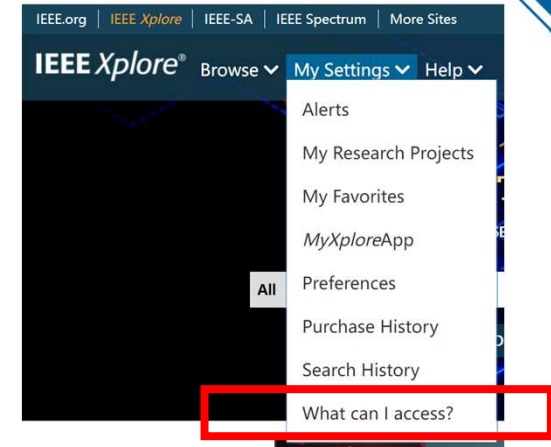
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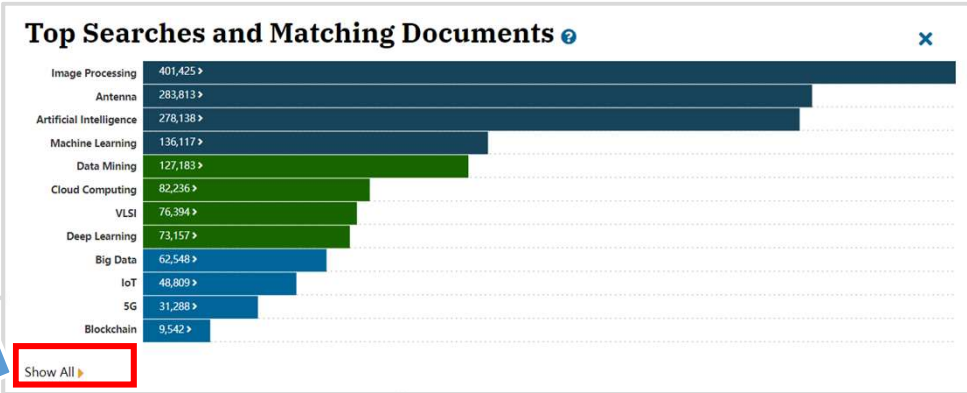
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Affiliation

Institute of Network Coding & Department of Information Engineering
The Chinese University of Hong Kong
Hong Kong, China

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Biography

Raymond W. Yeung (Fellow, IEEE) was born in Hong Kong in June 1962. He received the B.S., M.Eng., and Ph.D. degrees in electrical engineering from Cornell University, Ithaca, NY, USA, in 1984, 1985, and 1988, respectively. He was on leave at the École Nationale Supérieure des Télécommunications, Paris, France, in Fall 1986. He was a Member of Technical Staff of AT&T Bell Laboratories from 1988 to 1991. Since 1991, he has been with The Chinese University of Hong Kong, where he is currently a Choh-Ming Li Professor of information engineering and the Co-Director of the Institute of Network Coding. He has held visiting positions at Cornell University, Nankai University, Bielefeld University, the University of Copenhagen, the Tokyo Institute of ... [Show More](#)

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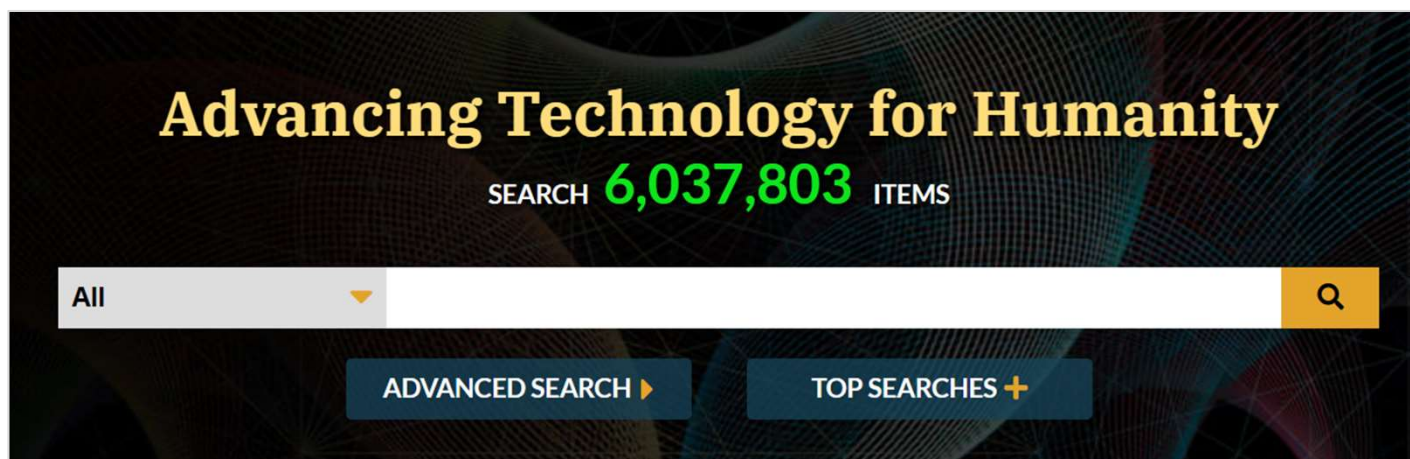
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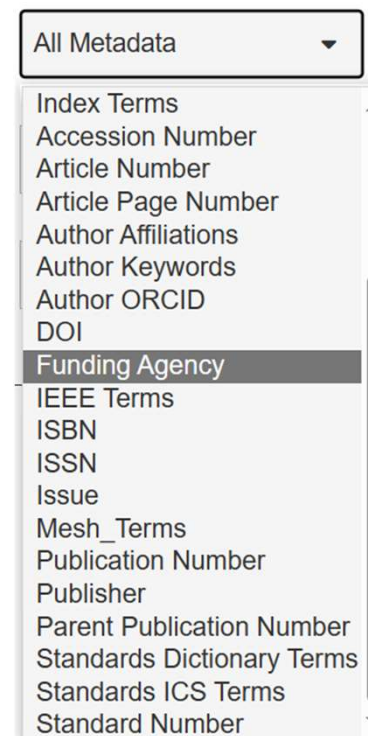
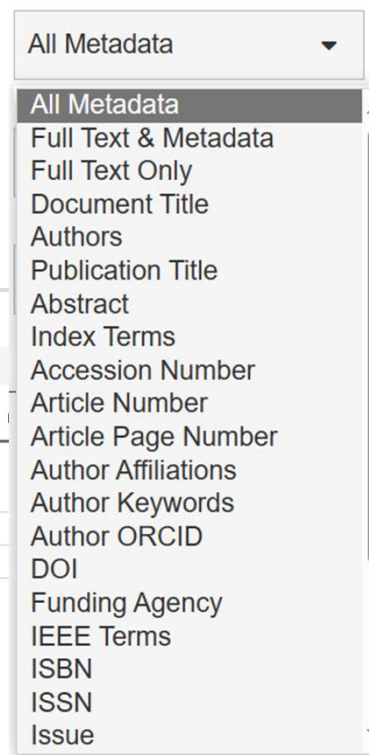
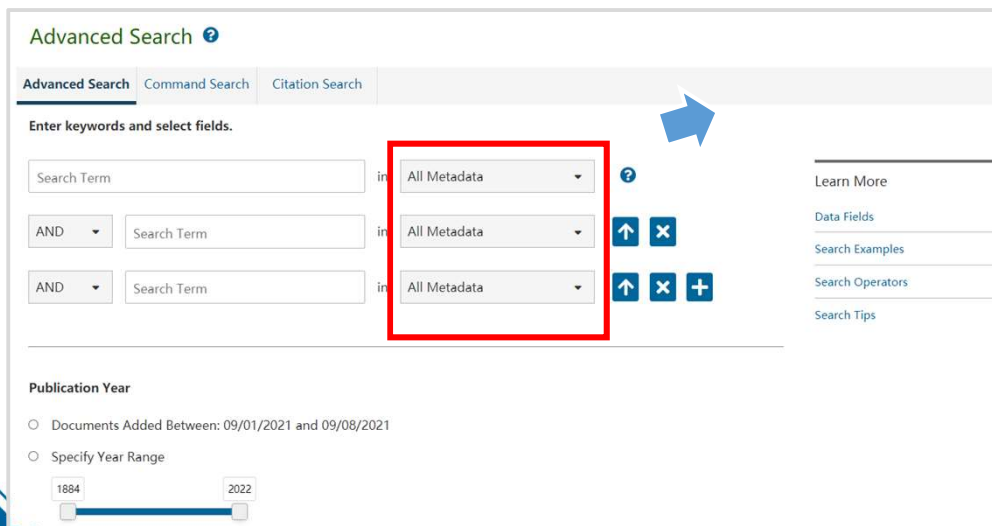
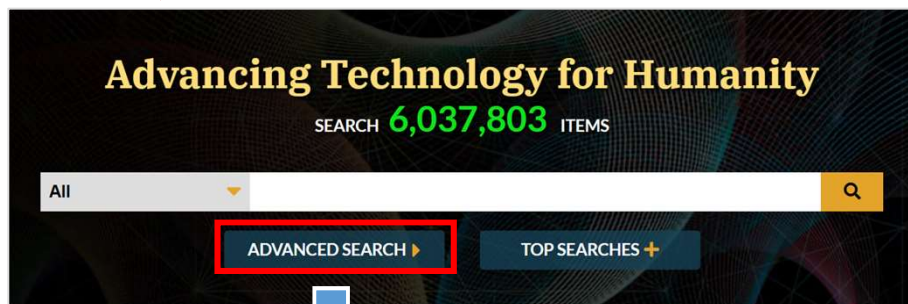
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Robust Face Recognition via Sparse Representation

John Wright; Allen Y. Yang; Arvind Ganesh; S. Shankar Sastry; Yi Ma
IEEE Transactions on Pattern Analysis and Machine Intelligence
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Abstract:
We consider the problem of automatically recognizing human faces from frontal views with varying expression and illumination, as well as occlusion and disguise. We cast the recognition problem as one of classifying among multiple linear regression models and argue that new theory from sparse signal representation offers the key to addressing this problem. Based on a sparse representation computed by C^1 -minimization, we propose a general classification algorithm for (image-based) object recognition. This new framework provides new insight into the face recognition problem is properly harnessed, the choice of features is no longer critical. Whether the number of features is sufficiently large and whether the sparse representation is correctly computed. Unconventional features such as downsampled images and random projections perform just as well as conventional features such as eigenfaces and Laplacianfaces, as long as the dimension of the feature space surpasses certain threshold, predicted by the theory of sparse representation. This framework can handle errors due to occlusion and corruption uniformly by exploiting the fact that these errors are often sparse with respect to the standard (pixel) basis. We conduct extensive experiments on the recognition algorithm can handle occlusion. We conduct extensive experiments on the recognition algorithm and corroborate the above claims.

Published in: IEEE Transactions on Pattern Analysis and Machine Intelligence (Volume: 31, Issue: 2, Feb. 2009)
Page(s): 210 - 227
INSPEC Accession Number: 10370800
Date of Publication: 03 April 2008
DOI: 10.1109/TPAMI.2008.79
ISSN Information: 1089-7764
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- 2. "Application Advantages and Disadvantages of Modern Fast Switching MOSFETs in VRM", *PCIM Europe*, 2016.
- 3. Christian B. Millner and Stefan Buechtemann, "Impact of module parasitics on the performance of fast switching devices", *PCIM Europe*, 2014.
- 4. Alan Elbanhawy, MOSFET Susceptibility to Cross Conduction, *Power Electronics Technology*, April 2005.

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Biography
Dinh C. Nguyen (Member, IEEE) is currently pursuing the Ph.D. degree with the School of Engineering, Deakin University, Geelong, VIC, Australia. He has published over 20 papers as the first author at the top-tier IEEE Journals and conferences, such as IEEE Transactions on Mobile Computing, IEEE Wireless Communications Magazine, IEEE Communications Surveys and Tutorials, IEEE Internet of Things Journal, IEEE GLOBECOM, ICC, and CCGrid conferences. His research interests focus on wireless communications, federated learning, deep reinforcement learning, blockchain, and edge computing. Mr. Nguyen has been a recipient of the prestigious Data61 Ph.D. scholarship, CSIRO, Australia. He has been the TPC member of top-tier conferences including IEEE G... Show More

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Peng Cheng (Member, IEEE) received the B.S. and M.S. degrees in information systems from the University of Electronic Science and Technology of China, Chengdu, China, in 2006 and 2009, respectively, and the Ph.D. degree from Shanghai Jiao Tong University, Shanghai, China, in 2013. From

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- A Voting-Mechanism based Ensemble Framework for Constraint Handling Techniques** 
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IEEE Transactions on Evolutionary Computation
Year: 2021 | Early Access Article | Publisher: IEEE

▶ Abstract



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Description

This is the supplementary file of the article "A Voting-Mechanism based Ensemble Framework for Constraint Handling Techniques" published in IEEE Transactions on Evolutionary Computation. This file contains two parts. One part includes the details of the 57 real-world constrained optimization problems, which are used in Section IV in the manuscript. Another part is the experimental results, including the best/mean/median values of the ten comparison algorithms on the 57 real-world constrained optimization problems, as the supplementary data of Table I and Table II in the manuscript.

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SR Latch: The Wrong Introduction to Digital Memory
Abdulahdi Shoufan
2020 IEEE International Symposium on Circuits and Systems (ISCAS)
Year: 2020 | Conference Paper | Publisher: IEEE

▶ Abstract ((html)) (128 Kb) © **▶ Video**

会议视频

The screenshot shows a video player interface. The main content is a presentation slide with the following text:

Open Source RFNoC-Based Testbed for Millimeter-Wave Experimentation using USRP Software Defined Radios

2020 IEEE International Symposium on Circuits and Systems Virtual, October 10-21, 2020

Open Source RFNoC-Based Testbed for Millimeter-Wave Experimentation Using USRP Software Defined Radios

Adriana Moreno * °, **Jesús Omar Lacruz** *, Joerg Widmer *

* IMDEA Networks Institute , ° Universidad Carlos III de Madrid, Spain

2020 IEEE International Symposium on Circuits and Systems Virtual, October 10-21, 2020

The slide also features logos for IMDEA Networks Institute, Universidad Carlos III de Madrid, and Circa. A transcript on the right side of the player shows the beginning of a video segment: [00:03] JESUS OMAR LACRUZ Hello. I am Jesus Omar Lacruz, Director of the IMDEA Networks Institute, Madrid, Spain. I will be in charge of presenting the 2020 International Symposium on Circuits and Systems, entitled "Open source RFNoC-based testbed for millimeter-wave experimentation using USRP software defined radios." A technology, millimeter-wave communication requires suitable platforms to speed up data collection and validation.

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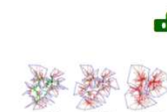
□ A Novel Mean-Shift Algorithm for Data Clustering

Claude Cariou; Steven Le Moan; Kacem Chehdi

IEEE Access

Year: 2022 | Volume: 10 | Journal Article | Publisher: IEEE

▶ Abstract HTML   **Code**



代码



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:  MATLAB Robust MeanShift clustering algorithm

The screenshot shows the Code Ocean interface for the 'Robust MeanShift clustering algorithm' by Claude Cariou. The interface includes a file explorer on the left with a tree view of files: metadata (391 B), environment (199 B), code (4.74 KB), LICENSE (1.11 KB), NN_RMS_w_search_co.m (3.01 KB), NN_RMSdemo.m (435 B), run (191 B), data (0 B), and results (92.52 KB). The 'run' file is selected. The main area displays the 'Metadata' for the algorithm, including a 'Computer Science' tag, the title 'Robust MeanShift clustering algorithm', the author 'Claude Cariou', and a description: 'A data clustering algorithm which mixes the classical Mean-Shift algorithm with its blurring version, and uses a nearest neighbor (NN) search. The only parameter is K, the number of NNs.' There are also tags for 'Clustering', 'Data Mining', and 'meanshift'.

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Multi-Modal Remote Sensing Image Matching Considering Co-Occurrence Filter

Yongxiang Yao; Yongjun Zhang; Yi Wan; Xinyi Liu; Xiaohu Yan; Jiayuan Li

IEEE Transactions on Image Processing

Year: 2022 | Volume: 31 | Journal Article | Publisher: IEEE


► Abstract HTML   **Datasets**

数据

Datasets

Standard Dataset

COFSM



Citation Author(s): Yongxiang Yao, Yongjun Zhang
Submitted by: Yongxiang Yao
Last updated: Fri, 03/11/2022 - 01:24
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33 Views
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ABSTRACT
This CoFSM dataset contains the supplemental material of TIP3157450 (Multimodal remote sensing image datasets). The CoFSM dataset contains six types of modal images (multi temporal-optical, infrared-optical, depth-optical, map-optical, SAR-optical and night-day). Each modal type includes 10 groups of images, and each set of images has corresponding ground truth points. These ground truth data are stored in the "Ground_truth" folder. For more details, see the following URL link <https://skyearth.org/publication/project/CoFSM/>.

Instructions:
Introduction of the CoFSM dataset
This CoFSM dataset contains the supplemental material of TIP3157450 (Multimodal remote sensing image datasets). The CoFSM dataset contains six types of modal images (multi temporal-optical, infrared-optical, depth-optical, map-optical, SAR-optical and night-day). Each modal type includes 10 groups of images, and each set of images has corresponding ground truth points. These ground truth data are stored in the "Ground_truth" folder.
CoFSM dataset of Multimodal remote sensing image
--from "Multi-modal Remote Sensing Image Matching Considering Co-occurrence Filter", to be published in IEEE Transactions on Image Processing.
Dataset introduction:
It contains 6 multi-modal data types:
1--optical-optical include 10 sets of images;

DATASET FILES
• CoFSM dataset: contains multi-modal images data CoFSM.zip (37.48 MB)
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DOCUMENTATION
[Introduction to the "CoFSM" dataset: \(16.09 KB\)](#)

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□ Choosing Representation, Mutation, and Crossover in Genetic Algorithms

Alexander Dockhorn; Simon Lucas

IEEE Computational Intelligence Magazine

Year: 2022 | Volume: 17, Issue: 4 | Magazine Article | Publisher: IEEE

▼ Abstract

HTML



沉浸互动模式



Drag and drop queens to change their position. Try to position all queens such that no two queens share the same row, column, or diagonal. Queens that threaten each other will be highlighted in red. In case you found a solution all queens will be highlighted in green.

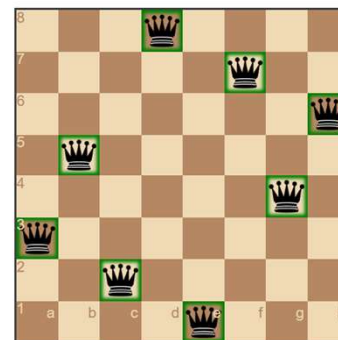


Figure 3:
Introducing the 8-Queens problem.

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Püning Zhao; Zhiwei Xiong; Dong Liu; Hao Wang; Chaoyu Yang; Lufeng Ding; Weiping Ding; Zheng-Jun Zha; Guoqiang Li; **Feng Wu**

2017 IEEE Global Conference on Signal and Information Processing (GlobalSIP)

Feng Wu

Also published under: F. Wu

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Biography

Feng Wu (Fellow, IEEE) received the B.S. degree in electrical engineering from Xidian University in 1992 and the M.S. and Ph.D. degrees in computer science from the Harbin Institute of Technology in 1996 and 1999, respectively. He is currently a Professor with the University of Science and Technology of China. His research interests include image and video compression, and media analysis. He received the IEEE Circuits and Systems Society Best Associate Editor Award in

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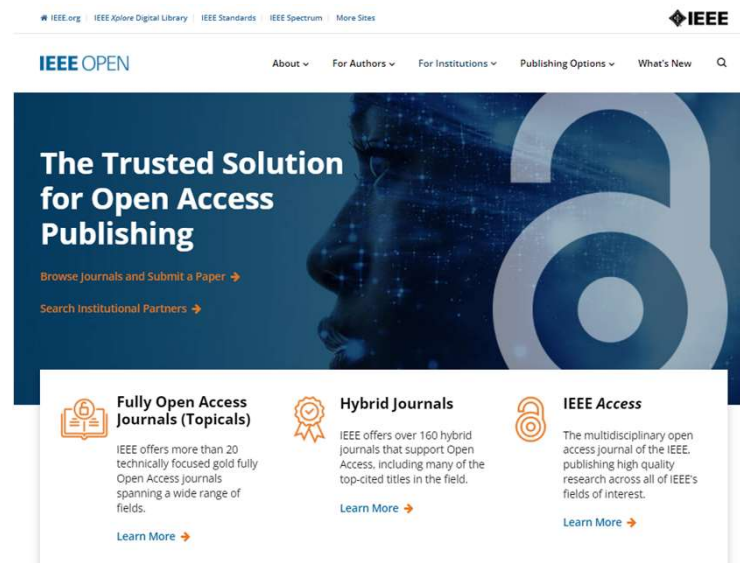
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期刊详情与投稿

投稿

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期刊详情

9.471

Impact Factor

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Eigenfactor

1.794

Article Influence Score

14.9

CiteScore

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Editor-in-Chief

Honggang Wang Electrical & Computer

Aims & Scope

IEEE Internet of Things (IoT) Journal publishes articles on the latest advances, as well as articles, on the various aspects of IoT. Topics include IoT system architecture, IoT enabling technologies, IoT communication and networking protocols such as network coding and applications. Examples are IoT demands, impacts, and implications on sensor: data management, and future Internet design for various IoT use cases, such as smart environments, smart homes, etc. The fields of interest include: IoT architecture such as data-centric, service-oriented IoT architecture; IoT enabling technologies and systems such as sensor technologies, big sensor data management, and future Internet design services, applications, and test-beds such as IoT service middleware, IoT application interface (API), IoT application design, and IoT trials/experiments; IoT standardization technology development in different standard development organizations (SDO) such as IEEE, IETF, ITU, 3GPP, etc.

Publication Details

Subjects

Information

- IEEE Internet of Things Journal
- Information for Authors
- Editorial Board

投稿须知



IEEE OA 优惠实践流程

Step 1 提交稿件

SCHOLARONE™



Step 2 稿件被录用后, 签署版权协议



Step 3 使用折扣并支付 OA 费用



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提交稿件

- ▶ 通讯作者将完成提交稿件的过程。
- ▶ 向 IEEE 完全 OA 期刊投稿的作者，将在步骤 1 中被要求接受 IEEE OA 条款和费用
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提交稿件 - 步骤 1 - 完全OA期刊

The screenshot shows the submission interface for IEEE Open Journal of Antennas and Propagation. The page is titled "Step 1: Type, Title, & Abstract". It includes a sidebar with navigation steps: Step 1: Type, Title, & Abstract (selected), Step 2: File Upload, Step 3: Attributes, Step 4: Authors & Institutions, Step 5: Details & Comments, and Step 6: Review & Submit. The main content area contains instructions for authors, a list of article types (Regular Paper, Comment, and various Special Sections), and input fields for the Title and Abstract. At the bottom, there is an "Open Access Agreement" section with a checkbox and text.

向 IEEE 完全 OA 期刊投稿的作者，将在投稿阶段被要求接受 IEEE OA 条款和费用

The snippet shows the "Open Access Agreement" section. It includes a checkbox with an asterisk and the text "I have read and agree to the terms below." Below this, there is a paragraph of text: "By submitting this manuscript to the IEEE Open Journal of Antennas and Propagation, I agree that if accepted, it will be published as open access and that I am responsible for the open access publication fee of US \$1,950." At the bottom, there is a note: "Some institutions offer assistance for open access funding. Check our [institutional partners list](#) to see if yours is one."

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提交稿件 - 步骤 1 - 混合期刊

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ScholarOne Manuscripts™ (Alison Larkin) as Christine Kurzawa | End Proxy | Instructions & Forms | Help | Log Out

IEEE GRSS IEEE Transactions on Geoscience and Remote Sensing

Home Author Review Administrator Center Client Configuration Center

Author Dashboard / Submission

This is not a production environment

Submission

- Step 1: Type, Title, & Abstract >
- Step 2: Attributes >
- Step 1: Type, Title, & Abstract >
- Step 2: Attributes >
- Step 1: Type, Title, & Abstract >
- Step 2: Attributes >
- Step 1: Type, Title, & Abstract >
- Step 2: Attributes >
- Step 1: Type, Title, & Abstract >
- Step 2: Attributes >
- Step 1: Type, Title, & Abstract >
- Step 2: Attributes >
- Step 3: Authors & Institutions >
- Step 4: Reviewers & Editors >
- Step 5: Details & Comments >
- Step 6: File Upload >
- Step 7: Review & Submit >

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Select your manuscript type. Enter your title, running head, and abstract into the appropriate boxes below. If you need to insert a special character, click the "Special Characters" button. When you are finished, click "Save and Continue." [Read More ...](#)

* Required Fields

* Type: [Edit](#)

CHOICE	TYPE
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<input type="radio"/>	Letter to the Editor

* Title: [Edit](#)

[Preview](#) [Special Characters](#) 0 OUT OF 250 CHARACTERS

* Abstract: [Edit](#)

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Submission			
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Step 2: File Upload >			
Step 3: Attributes >			
Step 4: Authors & Institutions >			
Step 5: Details & Comments >			
Step 6: Review & Submit >			

Authors			
* Selected Authors			
ORDER	ACTIONS	AUTHOR	INSTITUTION
↑ Drag	1 ▾	Select... ▾	
		He, Dandan <i>(Corresponding Author)</i> dan.he@vip.163.com	1. IEEE, CSM Room 1503, South Tower, Raycom InfoTech Park C, No.2 Kexueyuan South Road, Haidian District New York, CN 10016

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Authors

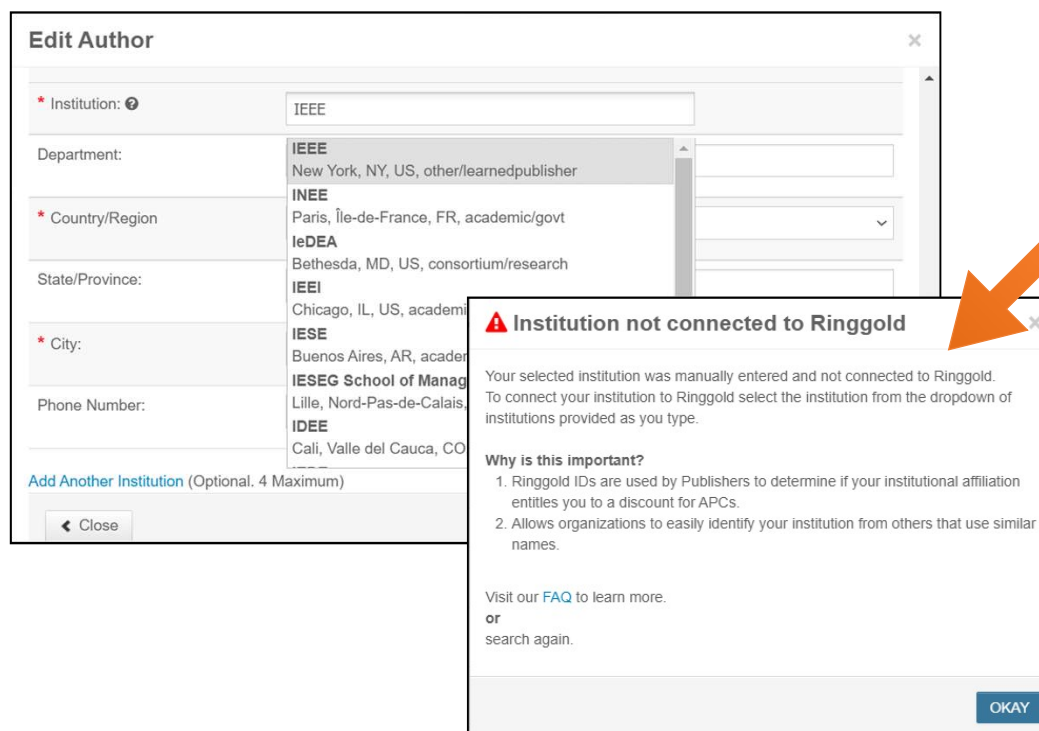
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稿件录用后 – 混合期刊

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A screenshot of a research paper page. The title is "Evaluation of Thermal Imaging on Embedded GPU Platforms for Application in Vehicular Assistance Systems". The publisher is IEEE. There are buttons for "Cite This" and "PDF". The authors listed are Muhammad Ali Farooq; Waseem Shariff; Peter Corcoran. There is an "Open Access" icon and text. At the bottom, a red box highlights the text "Under a Creative Commons License".

Evaluation of Thermal Imaging on Embedded GPU Platforms for Application in Vehicular Assistance Systems

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Manuscript DOI: 10.1109/TAC.2013.2266751
Manuscript ID: TN-13-100
Manuscript Title: Upper Body Pose Estimation Using Wearable Inertial Sensors and Multiplicative Kalman Filter
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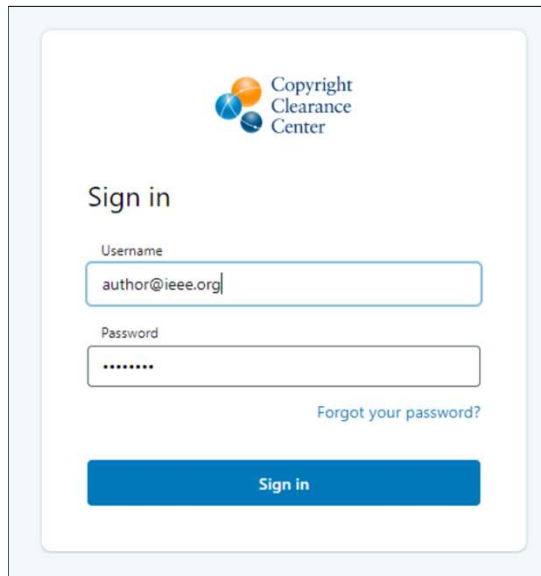
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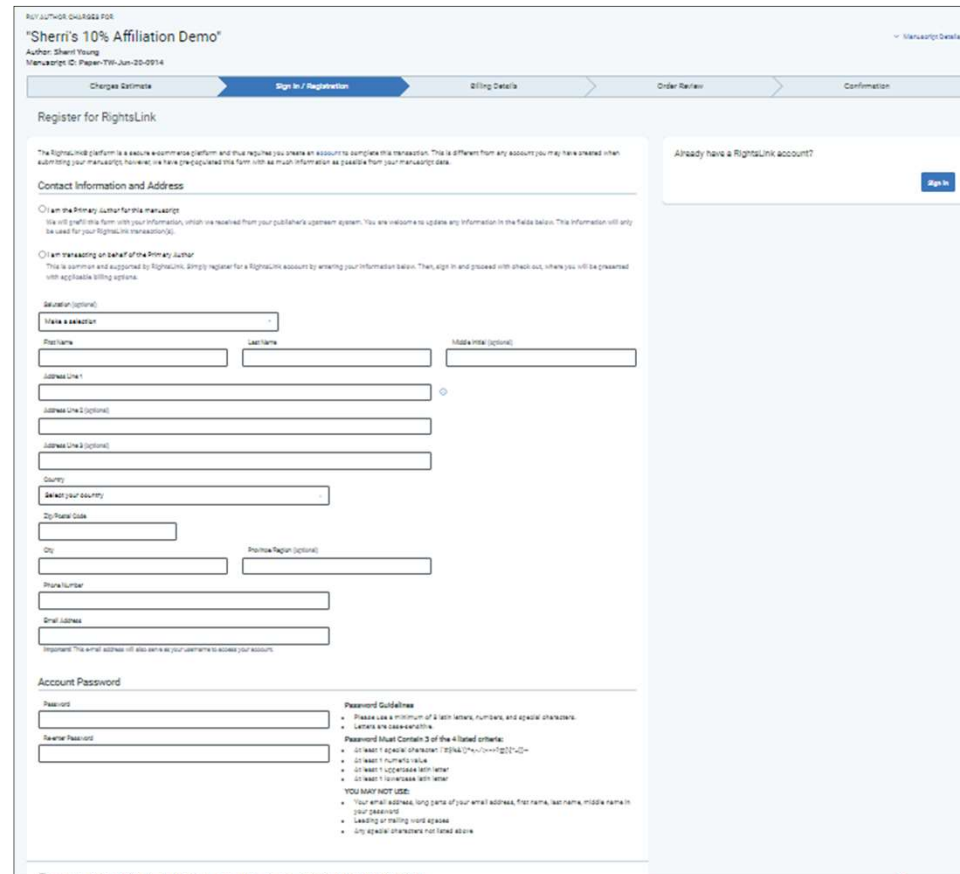


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The image shows a registration form for RightsLink, titled "Sherrin's 10% Affiliation Demo". The form is part of a multi-step process: Charges Estimate, Sign In / Registration, Billing Details, Order Review, and Confirmation. The current step is "Register for RightsLink". It includes a "Contact Information and Address" section with fields for First Name, Last Name, Middle Initial (optional), and three lines of Address Line (optional). It also has fields for Country, Zip/Postal Code, City, and Province/Region (optional). There are fields for Phone Number and Email Address. A "Sign in" button is visible on the right side of the form. Below the address fields is an "Account Password" section with fields for Password and Reverse Password, and a "Password Guidelines" section.



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Charges Estimate **Billing Details** Order Review Confirmation

How do you want to pay your total due?

Payment method

Credit Card (Pay Now)
Your credit card will be charged immediately upon completion of this order. Within 24 hours, you will receive a payment receipt via email (an invoice for the order marked "Paid").

Generate Invoice (Pay Later)
An invoice will be generated and sent to you via email within 2 hours. The address on the invoice will be the billing address you enter below. Detailed payment instructions will be included with the invoice; you can pay invoices later by credit card, check, or wire transfer.

VAT ID ⓘ

New ID No VAT/Tax ID needed

TOTAL DUE: **2,280.50 USD***

*Tax/VAT will be calculated upon completion of all addresses on this page.

Order Reference or Purchase Order Number (optional)

ⓘ

» Next

可以直接选择信用卡付款，或通过邮件索要电子票据后付款。

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如果需要 PO 或其他追踪号，作者可在此处输入。

作者中心与作者工具

The screenshot shows the IEEE Author Center website. At the top, there is a navigation bar with links to IEEE.org, IEEE Xplore Digital Library, IEEE Standards, IEEE Spectrum, and More sites. The IEEE logo is in the top right corner. Below the navigation bar is the IEEE Author Center logo and a menu with options: HOME, NEW AUTHORS, JOURNAL AUTHORS, CONFERENCE AUTHORS, BOOK AUTHORS, and MAGAZINE AUTHORS. A search bar is prominently displayed in the center, with the text "Search this website" and a "SEARCH" button. Below the search bar are three circular icons representing the publishing process: 1. WRITING, 2. PEER REVIEW, and 3. PUBLICATION. To the left of these icons is the text "Publish with IEEE". To the right is a paragraph of text: "Where you publish matters. IEEE is a trusted source for researchers in academia, industry, and government. By publishing with IEEE, you will get the global prestige that high-quality research deserves. Authors are welcome to post their preprints to TechRxiv [↗](#)." At the bottom of the page, there are three buttons: VIDEO TUTORIALS, AUTHOR TOOLS, and OUR ETHICS.

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Video Tutorials

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- ▶ 主题一（b）：巧用IEEE Xplore进阶检索技巧，精确定位目标文献 【3月28日，19:00-20:00】
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- ▶ 主题三：IEEE步履不停：领航开放科学之路 【4月18日，19:00-20:00】
- ▶ 主题四：IEEE投稿攻略，攻克投稿壁垒 【4月25日，19:00-20:00】
- ▶ 主题五：IEEE科技论文发表锦囊 【5月09日，19:00-20:00】
- ▶ 主题六：善用IEEE衔接学业与职业发展 【5月16日，19:00-20:00】
- ▶ 主题七：IEEE标准简介 【5月23日，19:00-20:00】

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