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Workflow for Authors and Institutions – 2022 CARE CRUI agreement

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Some key points of the agreement:

Eligible Articles: Original research articles which are written by Eligible Authors and which are editorially accepted for publication in Publisher's journal with an acceptance date during the term of the contract in IEEE's fully OA or hybrid journals.

Eligible Author: corresponding author who is affiliated with an Institution, (based on RINGGOLD or email domain)

Eligible costs: Only open access charges are covered by the agreement.

The unlimited open access publishing agreement eligible for manuscripts accepted between August 1st, 2022 and December 31^{st,} 2024.

Retrospective conversion of closed access articles published before August 1st 2022 is possible for manuscripts PUBLISHED online between May 1st and July 31st 2022. The request of retrospective conversion has to be reported until October 15th 2022 latest to onlinesupport@ieee.org.

Publishing date of a manuscript – relevant only for the retrospective conversion in the CARE CRUI Agreement

AIR₅: Five Pillars of Artificial Intelligence Research

Publisher: IEEE

Cite This



Yew-Soon Ong (1): Abhishek Gupta (1) All Authors

Paper Citations 3681 Full Text Views













Abstract

Document Sections

- Introduction
- II. R1: Rationalizability of Al Systems
- III. R2: Resilience of Al Systems
- IV. R3: Reproducibility of Al Systems
- V. R4: Realism of Al Systems

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Authors

References

Citations

Abstract:

In this paper, we provide an overview of what we consider to be some of the most pressing research questions currently facing the fields of artificial and computational intelligence (Al and CI). While Al spans a range of methods that enable machines to learn from data and operate autonomously, CI serves as a means to this end by finding its niche in algorithms that are inspired by complex natural phenomena (including the working of the brain). In this paper, we demarcate the key issues surrounding these fields using five unique Rs, namely, rationalizability, resilience, reproducibility, realism, and responsibility. Notably, just as air serves as the basic element of biological life, the term AIR5-cumulatively referring to the five aforementioned Rs-is introduced herein to mark some of the basic elements of artificial life, for sustainable AI and CI. A brief summary of each of the Rs is presented, highlighting their relevance as pillars of future research in this arena.

Published in: IEEE Transactions on Emerging Topics in Computational Intelligence (Volume: 3, Issue: 5, October 2019)

Page(s): 411 - 415

Date of Publication: 31 July 2019 ?





Electronic ISSN: 2471-285X

▶ Funding Agency:

INSPEC Accession Number: 19010934

DOI: 10.1109/TETCI.2019.2928344

Publisher: IFFF

The **Date of Publication** for Journals IEEE Xplore represents the very first instance of public dissemination.



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 Contact <u>onlinesupport@ieee.org</u> for specific profile questions or changes to existing profiles and CC <u>e.lukacs@ieee.org</u> and <u>bianca.summa@deanet.com</u>

Step 1

Paper Submission & Peer Review

SCHOLARONE™

Step 2

IEEE Electronic Copyright Form



Step 3



- Touch-Free Workflow: automatic APC funding requests sent to admin if author selectes OA
- 2. Funding is approved/denied from institution within RLSC portal
- 3. Author receives confirmation on funding request approval/denial
- 4. If denied, author can pay by invoice

Step 4



Manuscripts are often published even before approval of the funding request

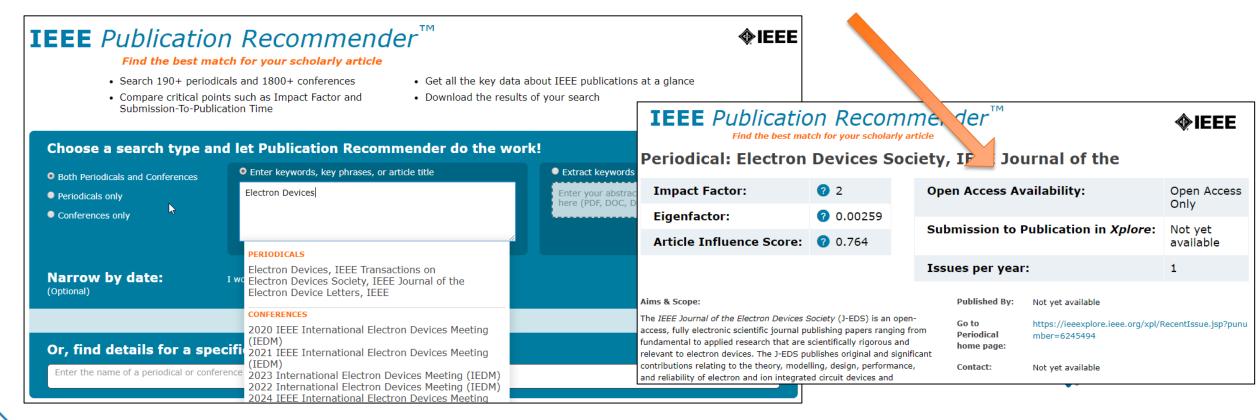
Author Process

Submission, acceptance, and seeking funding



IEEE Publication Recommender helps authors find the most suitable journal and displays journal's OA Status with submission URL

Note: Open Access status clearly displayed in results.



Submission – Step 1 – in IEEE *Xplore*

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IEEE Transactions on Aerospace and Electronic Systems

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IEEE Open Journal of Antennas and Propagation 🗗

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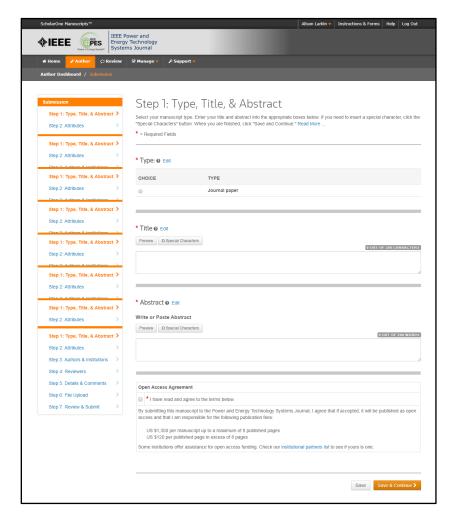


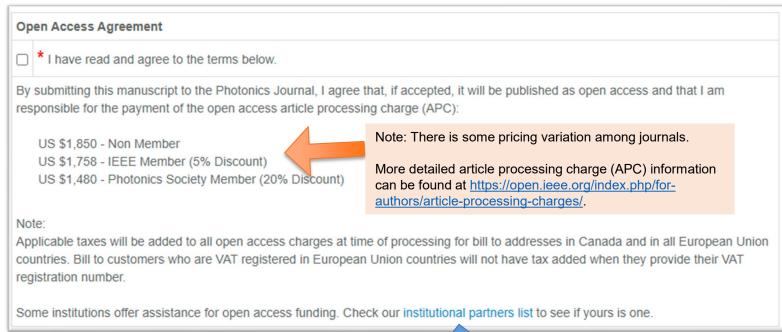
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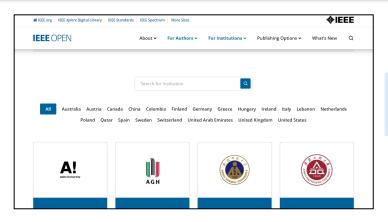
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 - Authors submitting to hybrid journals will not be asked to select OA until after acceptance.



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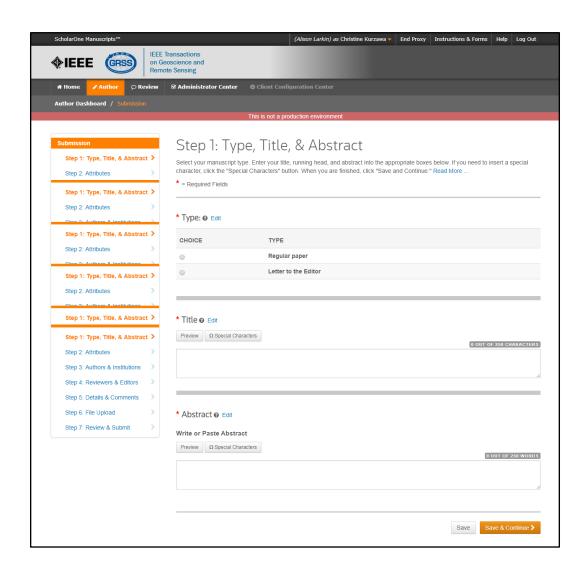


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Submission – Step 1 – Hybrid journal

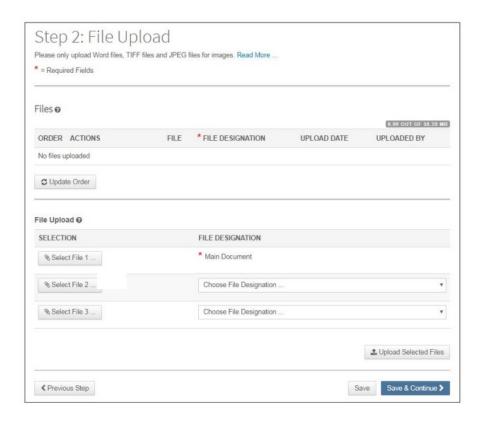
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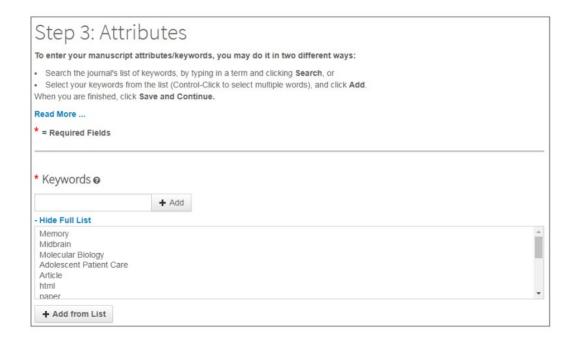


Submission – Steps 2 and 3

Step 2: the author will upload their manuscript files



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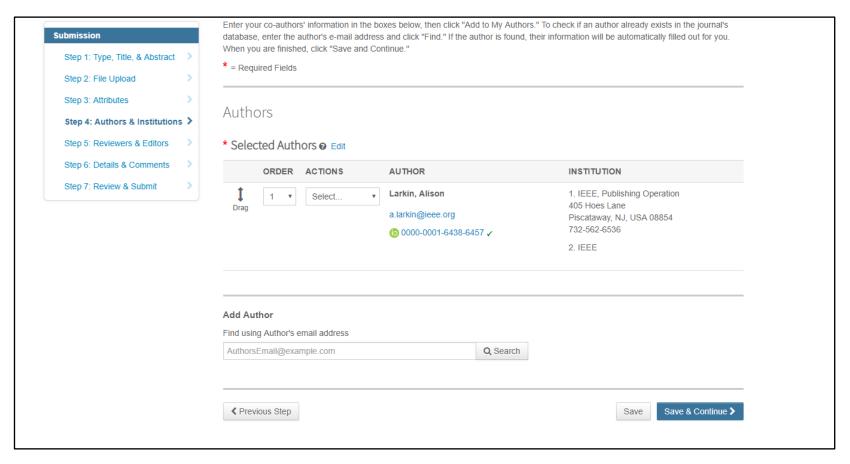




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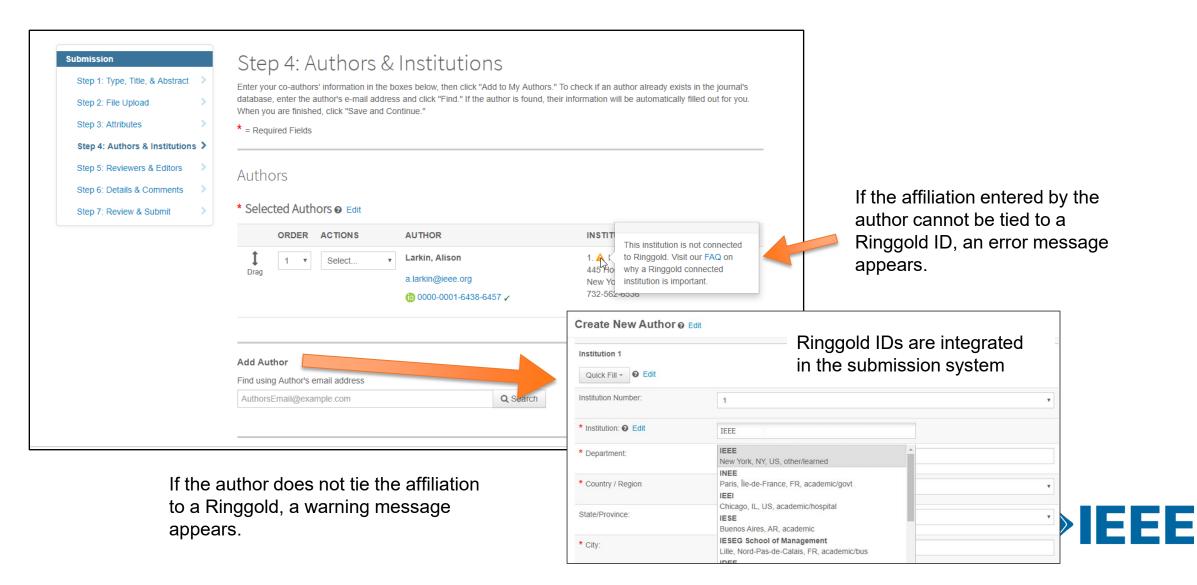
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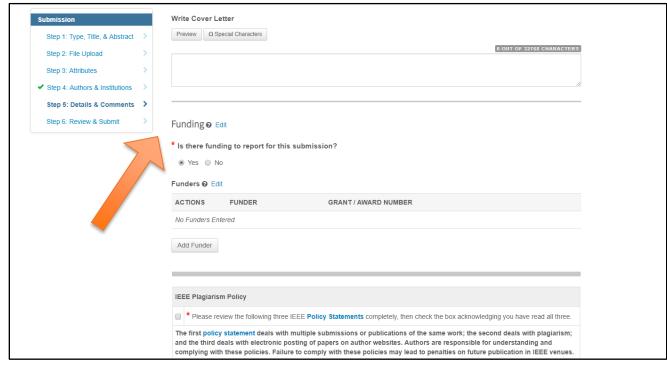


Submission – Step 4



Submission – Step 5 Details & Comments

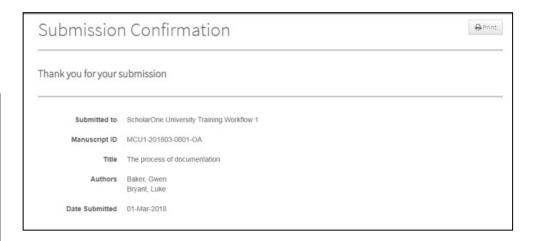
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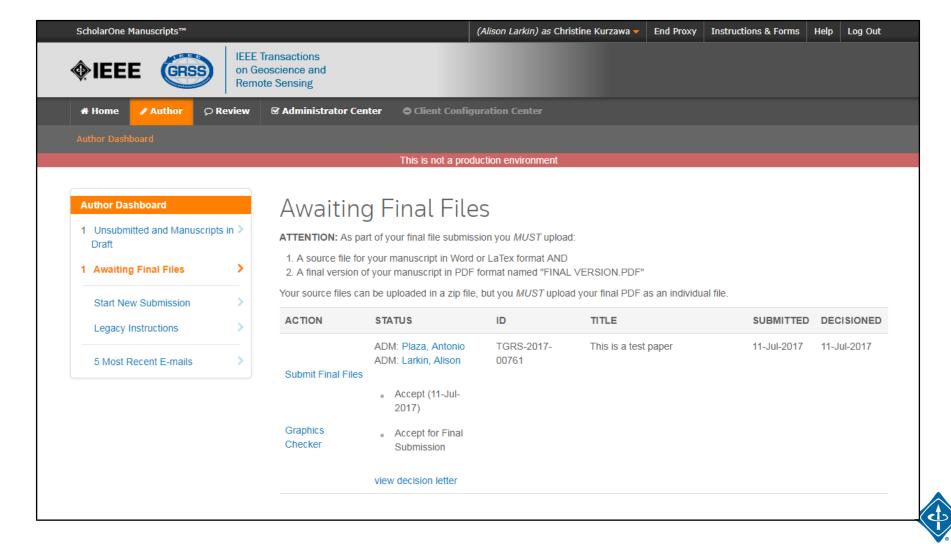


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- After acceptance, hybrid journal authors will choose whether to publish open access. Open access is "opt-in" for hybrid titles.



Post acceptance – final files upload



Post acceptance – hybrid review

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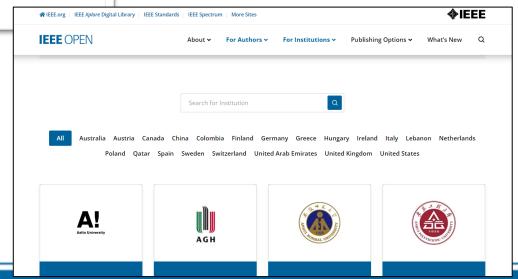
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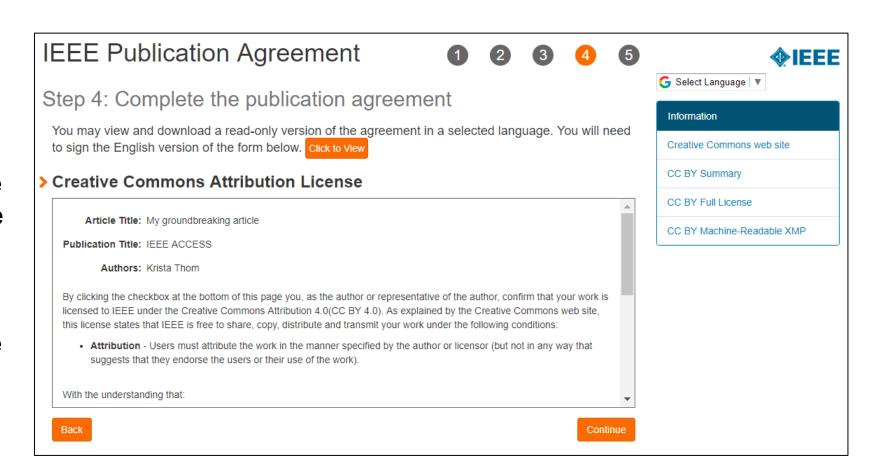
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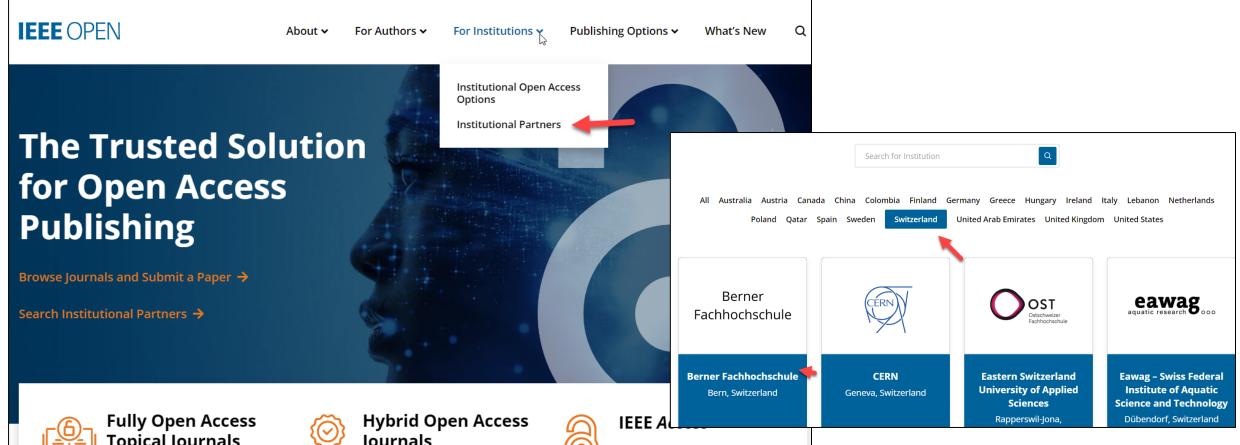
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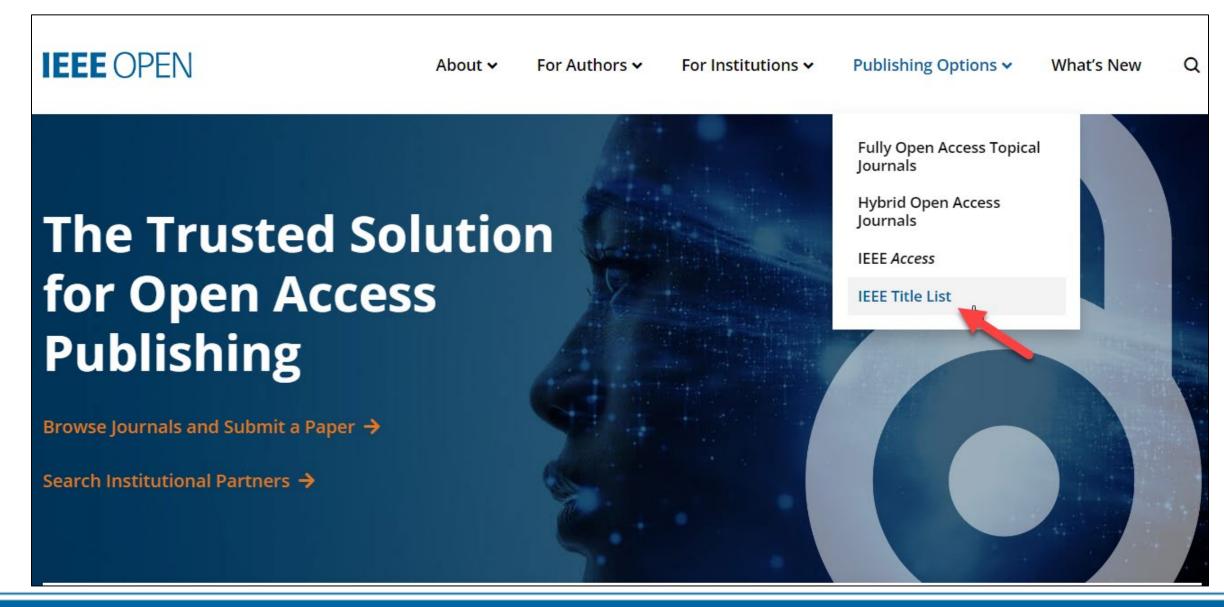
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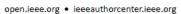
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