

SUBMISSION GUIDELINES

AI-EXPLAINED IMMERSIVE ARTICLE

AI-eXplained (AI-X) immersive articles aim to utilize *interactive* contents to explain AI and Computational Intelligence concepts and technologies. The immersive articles render a more vivid and attractive presentation than the conventional print publication, and hope to provide an immersive user experience so as to deliver ideas clearer.

Interactive components (WebGL, Javascript) can be used to explain AI concepts or methods and allow for a hands-on experience in solving problems using AI techniques addressed in the article, e.g., by adapting parameters, building their own models from several building blocks, or interactively analyzing a data set or a learned model. In this way, the audiences will gain access to immersive learning experiences. We believe that this interactive approach will help the audiences to better understand the bits and pieces of the methods by interacting and experimenting with the articles.

The authors are required to submit a 2-page extended abstract, which describes the main concepts or methods that the authors want to explain to the readers. In addition, the authors need to build a webpage as specified below to publish the full article on IEEE Xplore where the authors explain the concepts or methods of AI using interactive approaches to the readers. Authors can refer to the webinar recording “Introducing Immersive Articles and How to Write Them” at <https://www.youtube.com/watch?v=8j1hMizU464> for preparing the article.

Submission

A submission includes (1) extended abstract and (2) full article:

(1) Extended abstract

- A 2-page abstract summarizing the methods discussed in the interactive article. After acceptance, this extended abstract will be published in the *print* version of CIM.
- The IEEE standard format must be used for the extended abstract. More information can be found at <https://cis.ieee.org/publications/ci-magazine/cim-information-for-authors>. Please submit the extended abstract as the “main article” in the ScholarOne manuscript system.

(2) Full article

- An interactive full article that can be of arbitrary length but should be concise in its explanation and cover a topic of limited scope. After acceptance, the article will be published in CIM at *IEEE Xplore*.

IEEE Computational Intelligence Magazine

- The interactive article should consist of at least 3 interactive components that let the authors directly engage with the article's content and support the learning experience.
- For reviewing purposes, this article will be hosted by IEEE CIS and should therefore be prepared as such. Please provide a self-contained ZIP file containing your article and all its required files, including but not limited to the article following the template.html file provided by IEEE CIS, images, self-written scripts as well as external libraries and packages. Note that the authors need to make sure that the use of the external libraries and packages complies with copyright regulations. Please submit the ZIP file as a "supplementary" in the ScholarOne manuscript system.
- Example:
 - Alexander Dockhorn and Simon Lucas, "Choosing Representation, Mutation, and Crossover in Evolutionary Algorithms," IEEE Computational Intelligence Magazine, Nov 2022. <https://ieeexplore.ieee.org/document/9942691/interactive>
 - Special Issue on AI-eXplained, IEEE Computational Intelligence Magazine, Nov 2023 and Feb 2024.
- Template files: https://cis.ieee.org/images/files/Documents/call-for-special-issues/ImmersiveArticleTemplate_v2_0.zip
- Instructions: https://cis.ieee.org/images/files/Documents/call-for-special-issues/immersiveArticle_Instruction_Guide_for_Authors.pdf
- Tutorial video: <https://www.youtube.com/watch?v=8j1hMlzU464>