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Jade Li 李麗娟 jade.li@elsevier.com

Apr , 2022



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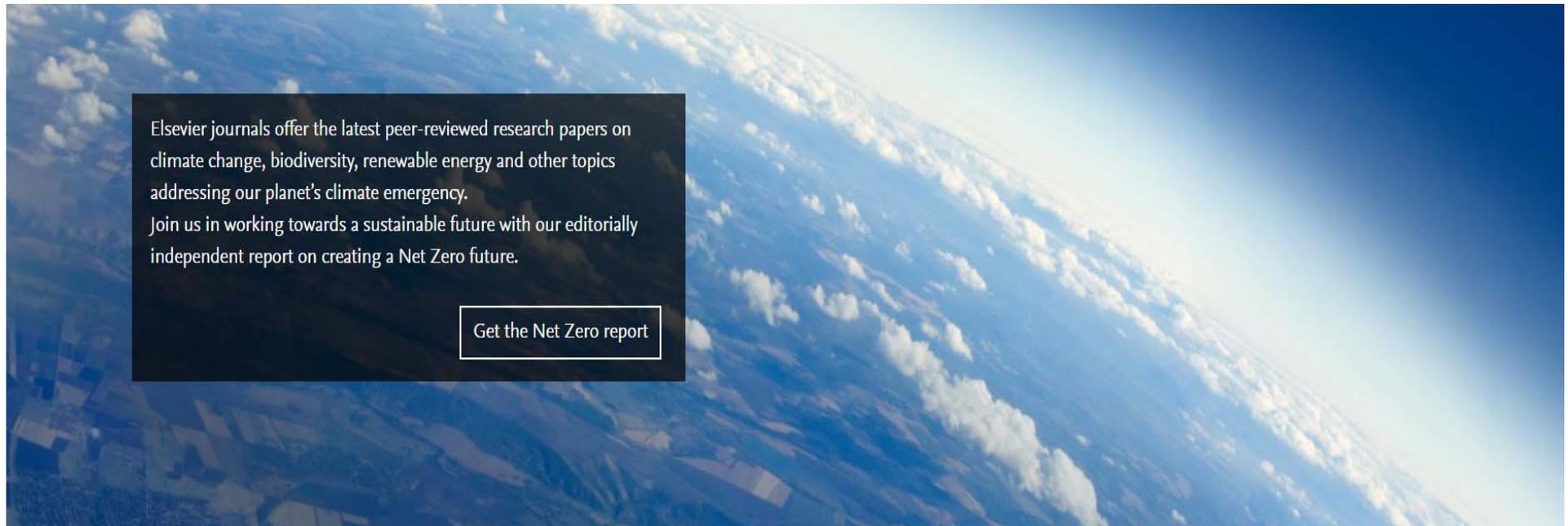
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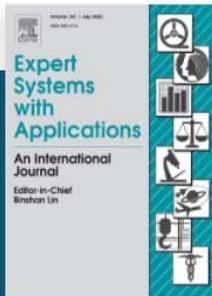
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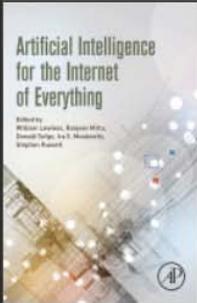
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Artificial Intelligence for the Internet of Everything

Book • 2019

書名

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Edited by:
William Lawless, Ranjeev Mittu, ... Stephen Russell

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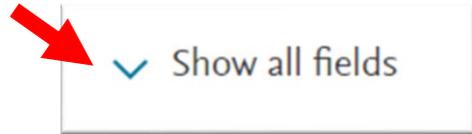


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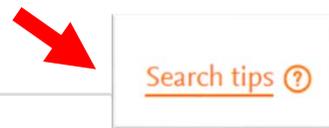
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1. Introduction

2. Motivating example

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Artificial Intelligence

Volume 299, October 2021, 103525



文章標題

Levels of explainable artificial intelligence for human-aligned conversational explanations ☆

Richard Dazeley ^a , Peter Vamplew ^b , Cameron Foale ^b , Charlotte Young ^b , Sunil Aryal ^a , Francisco Cruz ^a

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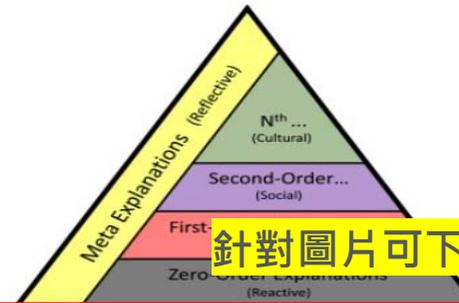
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Highlights

- Provide insights into AI-Human communication.
- Define levels of explanation with identified techniques that align with AI cognitive processes.
- Discuss insights into Broad eXplainable Artificial Intelligence (Broad-XAI).

列點式重點標示, 快速掌握該研究主題內容

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W.R. Swartout
XPLAIN: a system for creating and explaining expert consulting programs
Artif. Intell. 21 (1983) pp. 285-325
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with approaches to providing explanations having been discussed as early as Shortliffe and Buchanan [1], [1] and later in a range of projects such as [2], [3], [4].

This early body of work has been further applied in domains such as Bayesian Networks [5], early Neural Network systems [6] and in Recommender systems [7], [8].

However, Machine Learning systems developed this century, such as Deep Learning, have become increasingly obfuscated and non-transparent to users.



Neural Network System

In digital SNN systems, SNN processing speed is limited by the performance of analog-to-time or analog-to-digital converters, analog-to-digital converters and encoders responsible for input data encoding process with transformation of analog signal to sets of spikes.

From: Mem-elements for Neuromorphic Circuits with Artificial Intelligence Applications, 2021



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Ophthalmology, Available online 10 January 2022, ...

Eliot R. Dow, Tiarnan D. L. Keenan, ... Jennifer I. Lim

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Digestive and Liver Disease, 12 July 2021, ...

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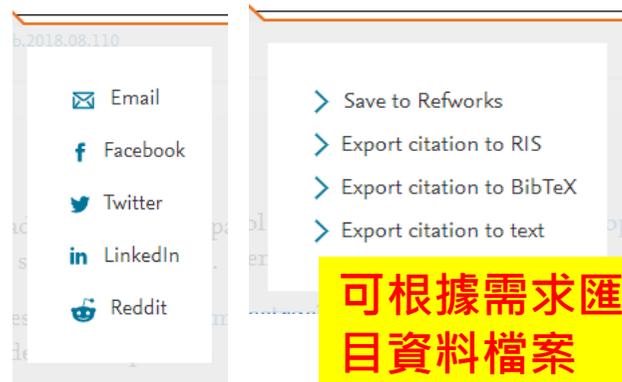
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