

The 4th International Conference on Data Science and Computational Intelligence (DSCI-2021)

<https://hpcn.exeter.ac.uk/dsci2021/>
London, UK, 20-22 December 2021

INTRODUCTION

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DSCI-2021 is especially dedicated to the celebration of the 64th anniversary of Artificial Intelligence. Aiming at creating computers and computer software capacity of intelligent behaviour, many amusing achievements throughout the past 63 years' journey have been made, including the recent AlphaGo, a.k.a, the Deep Reinforcement Learning, an intelligent computer program that beat Lee Sedol, a 9-dan professional player in a five-game match of Go. Such a task was considered as an impossible mission in only a decade ago. As we enter the big data era, Web Intelligence has extended and made use of Artificial Intelligence for new products, services and frameworks that are empowered by the World Wide Web. DSCI-2021 aims to identify the challenging problems faced by the development of innovative knowledge and information systems, and to shape future research directions through the publication of high quality, theoretical and applied research outcomes. DSCI-2021 is going to highlight the advances in frontiers and applications of general areas such as big data, artificial intelligence, social computing, data mining, information retrieval, and machine learning. DSCI is uniquely placed to deliver fresh perspectives on data science.

DSCI-2021 is planned to be hosted in London, UK. However, if the COVID-19 situation and associated travel restrictions remain, the conference will be held virtually. All accepted papers are expected to be included in IEEE Xplore and will be indexed by Engineering Index (EI). The authors of selected best papers will be invited post conference to extend their contributions for special issues of prestigious journals to be planned in conjunction with the conference.

SCOPE AND TOPICS

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Topics of interest include, but are not limited to:

Track 1: Data Science Theory, Algorithms and Architectures

Track 2: Data Science Applications

Track 3: Computational Intelligence for Big Data Processing

Track 4: Data Mining and Applications

IMPORTANT DATES

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- Paper Submission Deadline: 22 October 2021 (Firm)
- Authors Notification: 8 November 2021
- Camera-Ready Paper Due: 1 December 2021
- Early Registration Due: 1 December 2021
- Conference Date: 20-22 December 2021

PAPER SUBMISSION GUIDELINE

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All papers need to be submitted electronically through the conference submission website (<https://hpcn.exeter.ac.uk/dsci2021-submission/>) with PDF format. The materials presented in the papers should not be published or under submission elsewhere. Each paper is limited to 8 pages (or 10 pages with over length charge) including figures and references using IEEE Computer Society Proceedings Manuscripts style (two columns, single-spaced, 10 fonts).

Once accepted, the paper will be included into the IEEE conference proceedings published by IEEE Computer Society Press (indexed by EI). At least one of the authors of any accepted paper is requested to register the paper at the conference.

JOURNAL SPECIAL ISSUES

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Distinguished papers selected from the conferences, after further extensions, will be recommended for submission and publication in the Special Issues of the following prestigious journals:

- ACM Transactions on Sensor Networks
- IEEE Internet of Things
- IEEE Transactions on Network Science and Engineering
- Computer Communications (Elsevier)
- Soft Computing (Springer)
- Wireless Communications and Mobile Computing (Hindawi)