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## Machine Learning Applications and Big Data Challenges

Guest Editors:

**Dr. Arunkumar Bagavathi**

Department of Computer  
Science, Oklahoma State  
University, Stillwater, OK 74078,  
USA

**Dr. Tao Hu**

Department of Geography,  
Oklahoma State University,  
Stillwater, OK 74074, USA

**Dr. Atriya Sen**

Department of Computer  
Science, Oklahoma State  
University, Stillwater, OK 74078,  
USA

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### Message from the Guest Editors

Dear Colleagues,

Machine learning (ML) has become a critical component in real-world application domains like industry, transportation, healthcare, manufacturing, and beyond. As organizations move towards digital environments, there will be a surge in data availability, which can introduce novel opportunities and challenges for any machine learning task. Big data, characterized by massive volumes, high velocity, and diverse varieties of data formats, can increase the power and performance of machine learning algorithms designed to solve downstream tasks. Understanding the applications of machine learning in the context of big data and mitigating any associated challenges still have the potential to advance the modeling of data-driven systems.

The scope of this Special Issue is to collect recent advancements in machine learning applications that are targeted towards tackling the challenges of big data. This Special Issue will also highly value interdisciplinary research to bring new challenges, research questions, approaches, and datasets.





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## Editor-in-Chief

### Prof. Dr. Min Chen

School of Computer Science and  
Engineering, South China  
University of Technology,  
Guangzhou 510641, China

## Message from the Editor-in-Chief

*Big Data and Cognitive Computing (BDCC)* is a scholarly online journal which provides a platform for big data theories with emerging technologies on smart clouds and exploring supercomputers with new cognitive applications. It is a peer-reviewed, open access journal that publishes high quality original articles, reviews and short communications. The primary aims of this journal are to encourage contributions of high quality scientific papers relating to data management and analytics in industry, such as manufacturing, healthcare, education, media and business, data mining, and cognitive science. There is no restriction on the maximum length of the papers.

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*Big Data and Cognitive Computing*  
Editorial Office  
MDPI, Grosspeteranlage 5  
4052 Basel, Switzerland

Tel: +41 61 683 77 34  
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