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SCDA 2018: Call for Papers for Special Issue on: "Advances and Challenges of Soft Computing in Data Mining"

Guest Editors
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Data mining is one of the most revolutionary developments towards the automatic discovery of knowledge from data by applying advanced intelligent techniques to aid and improve complex decision making processes. Such approaches are helpful for enterprise governance and business intelligence, and within several application domains including marketing, logistic, accounting, finance, services and public administration, along with the scientific disciplines.

Soft computing is a broad area comprising a variety of techniques including fuzzy logic, neural computation, evolutionary computation, support vector machines, metaheuristic and swarm intelligence, probabilistic reasoning and many more. Although some of the above techniques are still in their embryonic stages, other techniques such as neural computation, evolutionary computation, fuzzy logic, metaheuristic and swarm intelligence, etc. have been of keen interest to many researchers around the globe. These techniques are increasingly being widely applied to a variety of data mining problems, ranging from practical applications in industry and commerce to cutting-edge scientific research. It is an emerging interdisciplinary area in which a range of techniques and methods are studied for dealing with large, complex and dynamic problems.

The main objective of this special issue is to cover both advancements and challenges of various soft computing techniques embedded into diverse fields of data mining such as classification, prediction, clustering, approximation, forecasting, etc. It aims to provide an intellectual forum for researchers in academia and scientists and engineers from a wide range of application areas to present their latest research findings in nature-inspired algorithms, and to identify future challenges in this novel combination of research areas.

The issue will carry revised and substantially extended versions of selected papers presented at the International Conference on Soft Computing in Data Analytics (SCDA 2018), but we are also inviting other experts to submit articles for this call.

Subject Coverage
Topics include, but are not limited to, the following:

- Classification
- Clustering
- Approximation
- Forecasting
- Swarm intelligence methods
- Artificial immune systems
- Knowledge discovery and data mining
- Evolutionary computation
- Machine learning techniques
- Learning classifier systems
- Fuzzy computation
- Applications of soft computing techniques
- Intelligent algorithms
- Bio-inspired computation

Notes for Prospective Authors

Submitted papers should not have been previously published nor be currently under consideration for publication elsewhere. (N.B. Conference papers may only be submitted if the paper has been completely re-written and if appropriate written permissions have been obtained from any copyright holders of the original paper).

All papers are refereed through a peer review process.

All papers must be submitted online. Please read our Submitting articles page.

If you have any queries concerning this special issue, please email the Guest Editors:
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Important Dates

Manuscripts due by: *15 June, 2018*

Notification to authors: *15 August, 2018*

Final versions due by: *15 October, 2018*