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## **Intelligent automation & Soft Computing**

### **Call for Papers**

#### **Special Issue: Recent Advances in Data Driven Modeling & Soft Computing**

##### **1. Aim and scope**

The applications of data driven modeling and soft computing in the field like mechanical design, control system optimization and communication channel optimization are all becoming increasingly important in the current scenario. The accuracy of the computer aided systems is highly superior to the manual observations and hence automated systems are significantly preferred by the operators.

During the previous decade, data driven modelling and soft computing have emerged as potential candidates for solving complex system process variable description and global optimization problems. In present scenario, image processing, signal processing, industrial optimization and control system applications fields have challenging the needs which are to be unraveled by researchers. Typical popular data driven modeling methods include Longest Common Substring(LC-Substring), Dynamic Time Warping (DTW), Dynamic Programming(DP), Semi-Supervised Learning(SSL), Supervised Learning(SL) and Unsupervised Learning(UL). And some popular soft computing techniques for Global Optimization include Genetic Algorithms (GA), Differential Evolution (DE), Ant Colony Optimization (ACO), Particle Swarm Optimization (PSO), Artificial Bee Colony (ABC), Firefly Algorithm (FFA) algorithm etc.

These methods have been successfully applied to a wide range of real-world application problems. This special issue is an ideal platform for the researchers to

come out with innovative ideas and approaches in the area of data driven modeling and soft computing. This issue is devoted to present the newest findings on the data driven modeling and soft computing techniques for all possible applications, especially in the criminal investigation, communication, image processing and mechanical design fields.

## **2. Topics Covered**

**The topics of this issue include but are not limited to:**

- Network information intelligent systems
- Soft computing techniques
- Driven modelling and control
- Intelligent and knowledge based systems
- Web interaction
- Machine learning for big data and information processing
- Statistical and deep learning methods
- Distributed generation systems
- Signal feature, fingerprint recognition
- Computing on Signal and/or image processing

## **3. Important Dates**

Submission deadline: Apr. 01, 2017

First round review date: Jun. 01, 2017

Submission of revised version: Oct. 01, 2017

Notification of acceptance: Nov. 01, 2017

Camera-ready due: Dec. 01, 2017

## **4. Submission Guidelines**

Original articles from the world are welcome to be submitted to the special issue. Manuscripts should be prepared according to the Instructions for Authors and submission should be done through the Intelligent Automation & Soft Computing (Autosoft) journal official website: <http://wacong.org/autosoft/auto/>. Clearly mark

“Recent Advances in Data Driven Modeling & Soft Computing” in your cover letter to the Editor-in-Chief. All submitted manuscripts will be reviewed using the standard procedure that is followed by regular submissions.

## 5. Guest Editors

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