

## Special Issue on **Soft Computing Methods for Social Sciences: Modeling and Analyzing the Issues for Social Sciences**

# CALL FOR PAPERS

Opinions, evaluations, perceptions, expectations, and so on are just main data that have been collected and evaluated by social science disciplines. They are gathered either in the form of words or in the form of sentences which need to be evaluated. So far several statistical methods are employed in order to analyze those types of data by transforming them into Likert-type scores. However, those data representing another type of uncertainty called impression carry the potential of being suitably modeled by soft computing tools such as Fuzzy Set Theory, Belief Functions, Evolutionary Computing, Fuzzy Logic, Rough Set Theory, and Dempster-Shafer Theory. These approaches could bring more flexibility and more interpretability, just as those theories have brought them into computationally oriented fields of science such as engineering, decision science, and statistics. By doing so, it is expected to provide twofold benefits within social science disciplines ranging from education and tourism to political science and physiology. One of them is based on uncovering new empirical findings by employing those methods, for instance, interactions among verbal statements having impact on some other attributes. The second one is to provide grounding for the development of novel methods when social scientists collaborate with researchers working in the fields of soft computing.

All accepted papers are expected to either have implementation of data sets benefiting from those methods in order to show that they provide deeper understanding the subject of interest or propose novel methods.

Potential topics include but are not limited to the following:

- ▶ Fuzzy Set Theory in humanities and social sciences including economics
- ▶ Fuzzy Logic in humanities and social sciences including economics
- ▶ Belief Theory in humanities and social sciences including economics
- ▶ Evolutionary Computing in humanities and social sciences including economics
- ▶ Dempster-Shafer Theory in humanities and social sciences including economics
- ▶ Rough Set Theory in humanities and social sciences including economics

Authors can submit their manuscripts through the Manuscript Tracking System at <https://mts.hindawi.com/submit/journals/acisc/scmss/>.

### **Lead Guest Editor**

Murat A. Basaran, Alanya Alaaddin Keykubat University, Antalya, Turkey  
*[murat.basaran@alanya.edu.tr](mailto:murat.basaran@alanya.edu.tr)*

### **Guest Editors**

Metmet T. Atay, Abdullah Gul University, Kayseri, Turkey  
*[mehmettarik.atay@agu.edu.tr](mailto:mehmettarik.atay@agu.edu.tr)*

Biagio Simonetti, University of Sannio, Benevento, Italy  
*[simonetti@unisannio.it](mailto:simonetti@unisannio.it)*

Claudiu Herteliu, Bucharest Academy of Economic Studies, Bucharest, Romania  
*[claudiu.herteliu@gmail.com](mailto:claudiu.herteliu@gmail.com)*

### **Manuscript Due**

Friday, 25 August 2017

### **First Round of Reviews**

Friday, 17 November 2017

### **Publication Date**

Friday, 12 January 2018