# Call for Papers

## A Special Issue of Knowledge Based Systems
## "Computational Intelligence Applications for Data Science"

Data science try to generalize the extraction of knowledge from data by incorporating different elements, techniques and theories from many fields such as signal processing, mathematics, probability models, machine learning, computer programming, statistics, data engineering, pattern recognition and learning, visualization, uncertainty modelling, etc. With goal of extracting meaning from data and create data products.

One of the most relevant techniques that has contributed to the Data Science is Computational Intelligence whose tools and techniques mainly deals with imprecision, uncertainty, learning, and evolution, in posing and solving computational problems. Therefore many proposals have been published showing the validity of Computational Intelligence to achieve the goals of Data Science

## About the issue

The goal of this special issue is to collect a set of high quality papers showing the current state of the art, original and recent research on Computational Intelligence Applications related to Data Science in order to deal with new challenges on this topic. We have the aim to collect original research and innovative results including (but not limited to) the following topics:

- Cloud computing
- Databases and information integration
- Signal Processing
- Computer vision
- Decision Support and Decision making
- Knowledge discovery in social and information networks

## Submission format

The submitted papers must be written in English and describe original research which is not published nor currently under review by other journals. Author guidelines for preparation of manuscript can be found at:
http://www.elsevier.com/journals/knowledge-based-systems/0950-7051/guide-for-authors

For more information, please contact the guest editors: Ronei M. de Moraes (ronei@de.ufpb.br), L. Martínez (martin@ujaen.es)

## Submission Guideline

All papers will be submitted via the *Knowledge Based Systems* Editorial System. The authors must select as "*SI: CIA for Data Science*" when they reach the "*Choose Article Type*" step in the submission process.

# Guest Editors Short CV

- *Ronei Marcos de Moraes*

He is Full Professor of Statistics and Head of Laboratory of Applied Statistics for Image Processing and Geoprocessing and Head of Laboratory of Technologies for Virtual Learning, bith at Federal University of Paraíba – Brazil. He is a scholarship in Technological Development of Brazilian National Council for Scientific and Technological Development. His current research interests are: Classification Algorithms, Decision Support Systems, Spatial Decision Support Systems, Fuzzy Sets in Classification and Decision Theory. He had published more than 50 papers in indexed journals, 10 book chapters and more than 200 contributions in Brazilian and International Conferences. He is Editorial Board Member of The Open Virtual Reality Journal and reviewer for several scientific journals as: Advances in Space Research, IEEE Transactions on Fuzzy Systems, Knowledge-Based Systems and Engineering Applications of Artificial Intelligence.

- *Luis Martínez*

He is Full Professor of Computer Science and Head of ICT Research Centre at the University of Jaén. His current research interests are, decision making, computational intelligence and recommender systems. He co-edited ten journal special issues on soft computing, decision making and fuzzy sets theory, also published more than 65 papers in journals indexed by the SCI, 30 book chapters and more than 100 contributions in International Conferences related to his areas. He is member of the EUSFLAT and, IEEE. Co-Editor in Chief of the of the International Journal of Computational Intelligence Systems and an Associated Editor of the journals Information Fusion, the International Journal of Fuzzy Systems, Journal of Intelligent & Fuzzy Systems and the Scientific World.