



## Call for Papers

### Journal of Universal Computer Science (J.UCS) Special Issue

#### Recent Advances, Emerging Methods and Applications of Pattern Recognition

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#### Background & Call for Manuscripts

Nowadays advanced pattern extraction and analysis techniques have been successfully used in a variety of domains. Nonetheless, many of challenges still exist. In particular, majority of practical applications of pattern recognition are still struggling with huge amounts of the data that exhibits such challenges as concept drift, non-stationary of underlying processes, noise, and common lack of labels or additional metadata that could be useful for further analysis. In addition to that, scalability of those practical applications and ability to adapt to constantly changing environment is still a problem. Moreover, problems with heterogeneous and multi-source data that require dedicated approach also emerge.

Therefore, in this Special Issue, we would like to cover recent solutions to abovementioned problems, novel methods and algorithms, advances, challenges, as well as practical applications of pattern recognition.

We cordially invite prospective authors to submit original papers on the following topics (list is not exhaustive):

- Emerging pattern recognition methods applied to image processing, telecommunications, language processing and other novel applications
- Parallelization for pattern recognition
- Biometric human identification
- Machine learning for image processing and telecommunications
- Deep learning and data mining applied to pattern recognition
- New advancements (architectures, solutions, applied algorithms and methods) for 5G networks, IoT, Next Generation Infrastructures and SmartGrids
- Bio-inspired solutions for detection, recognition and security applications
- Solutions to current emerging problems in image processing and telecommunications

### **Important Deadlines**

Submission by: 8 December 2018  
Notification of authors by: 20th February 2019  
Revised submission by: 10th April 2019  
Notification about final decision by: 20th May 2019

### **Submission and Evaluation Procedure**

The Journal of Universal Computer Science is a high-quality electronic publication that deals with all aspects of computer science. J.UCS has been appearing monthly since 1995 and is thus one of the oldest electronic journals with uninterrupted publication since its foundation. The impact factor of J.UCS is 1.066, the 5-year impact factor 0.863 (2017). For further information, please refer to

[http://www.jucs.org/jucs\\_info/aims/unique\\_features.html](http://www.jucs.org/jucs_info/aims/unique_features.html)

Manuscripts must be submitted in PDF format, written in English and should not exceed 20 pages. Papers only prepared according to the JUCS's guidelines for authors and submitted online (see procedure described below) will be included in the review process. Illustrations and tables must be provided as integrated parts of the manuscript. The guidelines for authors are available at

[http://www.jucs.org/ujs/jucs/info/submissions/style\\_guide.html](http://www.jucs.org/ujs/jucs/info/submissions/style_guide.html).

Please, bear in mind, that the extended version of papers originally presented at a conference or workshop must contain about 50% new material and the title of the extended version must clearly and unmistakably differ from the title of the article presented at the conference. Only novel research papers which are currently not under review at another event or a journal are accepted for the review process. For more details, please also refer to

[http://www.jucs.org/ujs/jucs/info/special\\_issues/special\\_guidelines.html](http://www.jucs.org/ujs/jucs/info/special_issues/special_guidelines.html).

Please submit your original and proof-read papers not later than 8 December 2018 to <http://www.easychair.org/conferences/?conf=raemapar2019>.

Each paper will be blind reviewed by at least 3 reviewers. According to the covered main subjects in the content, a selected set of reviewers with the appropriate expertise will be assigned.