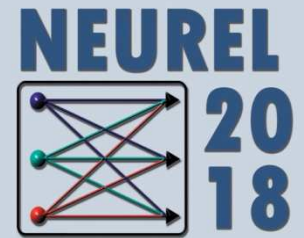




Call for Papers

2018 14th Symposium on Neural Networks and Applications (NEUREL)
November 20–21, 2018, Belgrade, Serbia
<http://neurel.etf.bg.ac.rs>



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14th Symposium NEUREL 2018

Organized by IEEE Serbia and Montenegro (S&M) SP/CAS Joint Chapter, and IEEE S&M Section, in cooperation with the Innovation Center and the School of Electrical Engineering, University of Belgrade, Serbia, and Telecommunications Society, Serbia, partially supported by Serbian Ministry of Education, Science and Technological Development.

The NEUREL Symposia started in 1990 as biennial scientific meetings and they cover all aspects of artificial neural networks (NNs) and fuzzy systems, from their theoretical foundations to applications. The main topics, including but not limited to the following technical areas, are invited:

1. Algorithms and models

- 1.1 Learning methods
- 1.2 Cognitive sciences
- 1.3 Genetic algorithms
- 1.4 Deep and machine learning
- 1.5 Computational neuroscience
- 1.6 Bayesian models
- 1.7 Fuzzy systems
- 1.8 Bio-inspired systems
- 1.9 Complex systems and chaos
- 1.10 Fractals and multifractals

2. Realizations

- 2.1 Feedforward networks
- 2.2 Recurrent neural networks
- 2.3 Self-organizing networks
- 2.4 Cellular neural networks
- 2.5 Sensor networks and remote sensing
- 2.6 Molecular and quantum computing
- 2.7 Fuzzy neural networks
- 2.8 Optoelectronic neural networks
- 2.9 Implementations in mobile devices
- 2.10 Brain-machine interfaces

3. Applications

- 3.1 Signal and image processing
- 3.2 Robotics and control systems
- 3.3 Measurement and intelligent devices
- 3.4 Data, text, multimedia mining
- 3.5 Communications and multimedia
- 3.6 Feature extraction and retrieval
- 3.7 Pattern recognition and classification
- 3.8 Bioinformatics and medical diagnosis
- 3.9 Time series forecasting
- 3.10 Power systems control

The symposium also welcomes contributions in statistical learning algorithms, text-web analysis, biological and machine vision, and man-machine interfaces. Topics in speech, image and signal processing, classification, big data, and process control, which are not strictly related to NNs, are of interest too.

Submission procedure: Camera ready papers in electronic form (PDF format) describing original, previously unpublished, research and development work related to the Symposium's topics, should be prepared according to the NEUREL template in ISO A4 format (210mm x 297mm), in two-columns with 5mm space between columns and with 20mm margins in all four sides. Text should be written in English, using Times New Roman 10 points font style. Four pages are encouraged and should not exceed six pages, including figures, tables, and references. Template for NEUREL 2018 conference papers will be added to the NEUREL site.

Accepted and presented papers, if registration fee is paid, will be published in the Proceedings of the NEUREL-2018 (Conference CD) and submitted for possible publication in the IEEE Xplore database.

Important dates

Proposals for special sessions, tutorials and plenary talks	May 30, 2018
Paper submission	August 31, 2018 September 16, 2018
Notification of acceptance	October 10, 2018
Camera-ready papers	October 31, 2018
Conference date	November 20–21, 2018

NEUREL 2018 Conference Secretariat

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