

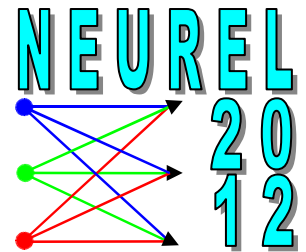


# Preliminary Call for Papers

11<sup>th</sup> Symposium on Neural Network Applications in Electrical Engineering

September 20–22, 2012, Belgrade, Serbia

<http://www.etf.rs> <http://neurel.etf.rs>



## 11<sup>th</sup> Symposium NEUREL-2012

Organized by IEEE Serbia and Montenegro (SM) CAS-SP Chair, CI Chair, Com Chair and IEEE SM Section  
In cooperation with the Faculty of Electrical Engineering, University of Belgrade  
CAS-SP Section and AI Section of the ETRAN Society, and Telecommunications Society

The NEUREL Symposia, started in 1990, are biannual scientific meetings covering all aspects of the artificial neural networks and fuzzy systems, from their theoretical foundations to applications. Main topics (but not strongly limited to) are:

| 1. Theory and models              | 2. Realizations                    | 3. Applications                         |
|-----------------------------------|------------------------------------|---|
| 1.1 Learning methods              | 2.1 Feedforward networks           | 3.1 Signal and image processing         |
| 1.2 Cognitive modeling            | 2.2 Recurrent neural networks      | 3.2 Robotics and control systems        |
| 1.3 Mathematics of neural systems | 2.3 Self-organizing networks       | 3.3 Measurement and intelligent devices |
| 1.4 Approximation theory          | 2.4 Cellular neural networks       | 3.4 Data mining                         |
| 1.5 Computational neuroscience    | 2.5 Associative memories           | 3.5 Communications and multimedia       |
| 1.6 Bayesian models               | 2.6 Hybrid architectures           | 3.6 Feature extraction and retrieval    |
| 1.7 Fuzzy systems                 | 2.7 Fuzzy neural networks          | 3.7 Classification and clustering       |
| 1.8 Bio-inspired systems          | 2.8 Optoelectronic neural networks | 3.8 Bioinformatics                      |
| 1.9 Complex systems and chaos     | 2.9 Cognitive systems              | 3.9 Time series forecasting             |
| 1.10 Fractals and multifractals   | 2.10 Brain-computer interfaces     | 3.10 Power systems                      |

**SUBMISSION:** Prospective authors are invited to submit camera-ready papers in electronic form (PDF or MS Word format) describing original research and development work related to the symposium's topics. Papers should be prepared in ISO A4 format (210mm×297mm, or 8.5"×11"), in two-columns with 5mm (0.2") space between columns and with 2.0cm (0.8") margins in all four sides. Text to be typed in Times New Roman or similar font style, 10 points or larger, according to the IEEE style (<http://www.ieee.org/documents/TRANS-JOUR.doc>). Four pages are encouraged. The paper should be written in English and should not exceed six pages, including figures, tables, and references. The title and name(s), affiliation(s), and e-mail address(es) of the author(s) should be centered at the top of the first page, starting 10mm (0.4") below the top margin. The paper should include a short one-paragraph abstract briefly describing the subject and contribution, followed by the list of up to five keywords. References should appear in a separate section at the end of the paper, with items referred to by numerals in square brackets.

The accompanying pre-registration form should include:

- Title of the paper including author's name(s)
- Technical area (topics 1–3 and subtopics 1.1–3.10)
- Corresponding author's name, postal and e-mail addresses, and phone/fax numbers
- Preferred mode of presentation (oral or poster).

### NEUREL-2012 Conference Secretariat

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Accepted papers will be published in the Proceedings of the NEUREL-2012 (printed and on CD-ROM), being under the IEEE Conference Publication Program (IEEE Xplore).

Selected papers will be printed in the special issue of the Journal of Automatic Control

### IMPORTANT DATES

|   |                       |
|---|-----------------------|
| Proposals for special sessions, tutorials and plenary talks | March 25, 2012        |
| Paper submission  | May 20, 2012          |
| Notification of acceptance                                  | July 01, 2012         |
| Camera-ready papers   | August 19, 2012       |
| Conference date   | September 20–22, 2012 |



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