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This Workshop is sponsored by the  
 International Neural Network Society ([www.inns.org](http://www.inns.org))  
 and the Italian Chapter of IEEE CIS



**WIRN 2014 - CALL FOR PAPERS**

The Italian Workshop on Neural Networks (WIRN) is the annual conference of the Italian Society of Neural Networks (SIREN). The conference is organized, since 1989, in co-operation with the International Institute for Advanced Scientific Studies (IIASS) of Vietri S/M (Italy), and is a traditional event devoted to the discussion of novelties and innovations related to the field of Artificial Neural Networks. It also hosts, among others, various multidisciplinary forum on psychological and cognitive theories for modelling human behaviours, financial and economic applications of neural networks, neuromorphic implementation of brain circuits, and computational intelligence applications on Smart Grids. The 24<sup>th</sup> Edition of the Italian Workshop on Neural Networks (*WIRN 2014*) will be held at the IIASS of Vietri sul Mare, near Salerno, Italy.

**This year, WIRN 2014 will be held in conjunction with the conference WIVACE 2014 (14-15 May); Participation to both workshops is strongly encouraged in order to favour the interdisciplinary viewpoint of our communities. It will be possible to attend to both conferences by paying a small additional fee.**

**CALL FOR PAPERS, SPECIAL SESSIONS PROPOSALS:** Prospective authors are invited to contribute high quality papers in the topic areas listed below and proposals for special sessions. Special sessions aim to bring together researchers in special focused topics. Each special session should include at least 3 contributing papers. A proposal for a special session should include a summary statement (1 page long) describing the motivation and relevance of the proposed special session, together with the article titles and author names of the papers that will be included in the track. Contributions should be high quality, original and not published elsewhere or submitted for publication during the review period. Additional info on the submission procedure and the required paper format can be found at the web site of the conference (<http://www.associazionesiren.org/initiatives/WIRN14/>). Papers will be reviewed by the Program Committee, and may be accepted for oral or poster presentation. All accepted contributions will be published in a Springer proceeding volume. Authors will be limited to one paper per registration (Registration fees are 230,00 €, including Society's membership).

The submission of the manuscripts should be done through the following website:  
<https://www.easychair.org/conferences/?conf=wirn2014>

**TOPIC AREAS:** Suggested topics for the conference include, but are not limited to, the following research and application areas:

General Topics of Interest about Computational Intelligence:

Neural Networks, Fuzzy Systems, Evolutionary Computation and Swarm Intelligence, Support Vector Machines, Complex Networks, Bayesian and Kernel Networks, Consciousness and Models of Emotion Cognitive and Psychological Models of Human Behavior

Algorithms & Architectures:

Among others: Blind Source Separation, Opportunist Networks, Metabolic Networks, Bio-inspired Neural Networks, Wavelet Neural Networks, Intelligent Algorithms for Signal (Speech, Faces, Gestures, Gaze, etc) Processing and Recognition

Implementations:

Among others: Hardware Implementations and Embedded Systems, Neuromorphic Circuits and Hardware, Spike-based VLSI NNs, Intelligent Interactive Dialogue Systems, Embodied Conversational Agents

Applications:

Among others: Finance and Economics, Neuroinformatics and Bioinformatics, Brain-Computer Interface and Systems, Data Fusion, Time Series Modelling and Prediction, Intelligent Infrastructure and Transportation Systems, Sensors and Network of Sensors, Process Monitoring and Diagnosis, Intelligent and Adaptive Systems for Human-Machine Interaction.

**PAPER SUBMISSION: Important Dates**

- ⇒ **Special Session/Workshop proposals:** February 16, 2014
- ⇒ **Paper Submission deadline:** March 31, 2014
- ⇒ **Notification of acceptance:** April 30, 2014
- ⇒ **Camera-ready copy:** on site, May 15, 2014
- ⇒ **Conference Dates:** May 15-16, 2014

Papers submitted could be also sent by electronic mail to the address: [wirn2014@associazionesiren.org](mailto:wirn2014@associazionesiren.org)