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 International Neural Network Society (www.inns.org)



WIRN 2012 - 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 field of Artificial Neural Networks. In recent years, it also became a multidisciplinary forum on psychological and cognitive theories for modelling human behaviours. The 22nd Edition of the Italian Workshop on Neural Networks (*WIRN 2012*) will be held at the IIASS of Vietri sul Mare, near Salerno, Italy.

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. Please visit the web site for further details of the required paper format. Papers will be reviewed by the Program Committee, and may be accepted for oral or poster presentation. All contributions will be published in a proceeding volume by **Springer-Verlag GmbH**, series *Smart Innovation, Systems and Technologies*. Authors will be limited to one paper per registration.

Please submit contributions through the following website (page limit: 10 pages, see format on <http://www.springer.com/series/8767>): <https://www.easychair.org/conferences/?conf=wirn2012>

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 Behaviour

Algorithms & Architectures:

Among others: ICA and BSS, 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.

CALL FOR PROF. EDUARDO R. CAIANIELLO Ph.D. THESIS PRIZE

During the Workshop the "*Premio E.R. Caianiello*" will be assigned to the best Italian Ph.D. thesis in the area of Neural Networks and related fields. The prize consists in a diploma and a 800,00 € check. Interested applicants must send their CV and thesis in *pdf* format to "Premio Caianiello-WIRN 2012" c/o IIASS before April 20, 2012 to the addresses (wirn2012@associazionesiren.org, iiass.segreteria@tin.it). To participate, the Ph.D. degree has to be obtained after January 1, 2009 and before March 31, 2012. A candidate can submit his/her Ph. D. thesis to the prize at most twice. Only SIREN members are admitted (subscription forms can be downloaded from the SIREN web site). For more information, contact the conference Secretary at I.I.A.S.S. "E. R. Caianiello", Via G. Pellegrino, 19, 84019 Vietri Sul Mare (SA), ITALY.

PAPER SUBMISSION: Important Dates

- 📅 **Special Session/Workshop proposals:** February 19, 2012
- 📅 **Paper Submission deadline:** April 11th, 2012
- 📅 **Notification of acceptance:** May 3rd, 2012
- 📅 **Camera-ready copy:** on site, May 17th, 2012
- 📅 **Conference Dates:** May 17-19, 2012

Papers submitted could be also sent by electronic mail to the address: wirn2012@associazionesiren.org