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President's Message

CIS: Conference Activities



The Computational Intelligence Society continuously strives to evolve and adapt its activities to better serve your needs in the various theoretical and application areas of computational intelligence. In the last issue, I considered the technical activities in our Society; in particular, how they foster the advancement of the theory and practice in the Society's field of interest and how they are organized.

Research and successful application of computational intelligence approaches are useless for the general advancement of the field if they are not disseminated for the benefit of all communities and a global knowledge enhancement. In this issue, I focus the attention on conferences and workshops, the first mode in which experts of the field assess the quality and the value of our results and achievements. All technical committees and task forces are expected to promote the organization of a technical meeting on the topics in its field of interest, in order to contribute to their dissemination and advancement.

The CIS organizes and sponsors many of these events, which present recent advancement in theory and practice in a timely manner, by exposing these concepts to the audience for an initial discussion and further in-depth analysis. These meetings also provide the opportunity for attendee networking with many peers worldwide. Some of these meetings are organized in cooperation with other associations in their specific areas.

Workshops are directed to promote the presentation of innovative ideas (sometimes even at a preliminary maturation stage), their discussion in a highly specialized environment, and the strong networking among people in the narrow area of the meeting. Symposia are larger meetings, focusing on the presentation of more assessed results in a larger but still focused area. Conferences are yet again even larger, presenting assessed results achieved in a broad spectrum of topics. Congresses are huge meetings dealing with many topics. In different ways, all of them are valuable to learn the innovation that has been achieved worldwide.

The CIS sponsors three major annual conferences that are the technical forums for the three oldest computational intelligence technologies: the IEEE-INNS International Joint Conference on Neural Networks (IJCNN), the IEEE International Conference on Fuzzy Systems (FUZZ-IEEE) and the IEEE Congress on Evolutionary Computation (CEC). These conferences are well attended and known as the premier venues for these technologies and the related applications.

To address the needs for synergic cross-fertilization among the technologies and to promote globalized networking among all CIS members, the IEEE World Congress

on Computational Intelligence (WCCI) has been established to periodically gather the above annual conferences under the same umbrella. Since the CIS became a Society, the importance of a single flagship technical meeting was identified for the promotion of the membership and for ensuring cohesion within the Society. For this reason, this meeting is now held every other year.

During the past few years, the CIS realized that many needs were rising from the various communities for more specialized meetings; for example, in specific technologies, innovative approaches and application areas. This led the CIS to sponsor or co-sponsor various conferences, such as the IEEE International Symposium on Computational Intelligence in Bioinformatics and Computational Biology (CIBCB), the IEEE Symposium on Computational Intelligence and Games (CIG), the IEEE International Conference on Computational Intelligence for Homeland Security and Personal Safety (CIHSPS), the IEEE International Conference on Computational Intelligence for Measurement Systems and Applications (CIMSAS), and the IEEE Swarm Intelligence Symposium (SIS). To promote the synergies among some related application areas or application areas that use similar technologies, a new meeting has been created: the IEEE Symposium Series on Computational Intelligence (SSCI), the first of which will be held in April 2007 in Honolulu, Hawaii.

In addition to all of the above meetings, the CIS technically sponsors many other meetings by providing its technical excellence, e.g., the International Symposium on Neural Networks (ISNN), the International Conference on Development and Learning (ICDL), the International Conference on Artificial Intelligence and Soft Computing (ICAISC), the International Conference on Information Processing and Management of Uncertainty in Knowledge-Based Systems (IPMU), the International Conference on Intelligent Computing (ICIC), the International Workshop on Ant Colony Optimization and Swarm Intelligence (ANTS), the International Symposium on Evolving Fuzzy Systems (EFS), the International Conference on Soft Computing and Intelligent Systems (SCIS), and the International Conference on Neural Information Processing (ICONIP).

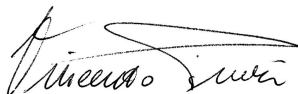
From the above examples, the CIS' interest in promoting the use of computational intelligence technologies and the study of new technologies is clear. However, since many application areas are not yet covered sufficiently, proposals for new conferences in these areas are welcome.

Many other workshops or regional meetings are also organized by the CIS or its Chapters, to study advanced narrow topics or to satisfy the needs of smaller geographical areas, respectively. More information about all conferences and workshops that the CIS is organizing worldwide can be found on the CIS Web site.

Are you interested in organizing a conference or a meeting with the sponsorship, co-sponsorship or technical co-sponsorship of the CIS? Please visit our Web site and contact the Vice President for Conferences. We will be glad and honored to consider your proposal since it may contribute to the overall vision of our society and to the advancement of science, technologies, and applications.

Are you interested in serving as a volunteer in one of the meetings that we already approved? On our Web site, you will find many opportunities for this purpose. Feel free to contact the meeting organizers to offer your assistance.

If you have any comments, suggestions or criticism, then please do not hesitate to contact me at piuri@dti.unimi.it; or the Vice President for Conferences, Dr. Garrison Greenwood, at greenwd@ece.pdx.edu. We will be very glad to hear from you and involve you in the Society's life!



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