2013 IEEE Congress on Evolutionary Computation

(CEC 2013)

Cancun, Mexico
20 - 23 June 2013

◆IEEE

accept – reject recommendations, developing the programs and so on. With numerous chairs and cochairs, all submissions (co)authored by chairs, cochairs and general chair were handled by CoI Chairs Gary Fogel and Hisao Ishibuchi who had such submissions reviewed offline to maintain the anonymity of the reviewers. Even though Finance Chair, Robert Kozma is far away in the USA, he regularly interacted with me and shared his valuable experiences gained in organizing numerous conferences. I thank the best paper award committee who did a wonderful job by thoroughly evaluating 15 short-listed papers during the conference. Publication Chair, Sundaram Suresh has contributed immensely by registering every event with IEEE, ensuring the copyright submissions, setting up the PDF Xpress account, checking plagiarism and by excluding the prohibited authors from the published proceedings. When we have a significant keynote and tutorial program, there is also an associated responsibility shouldered by the respective Chair, Swagatam Das. I also thank the international advisory committee and the publicity committee for their valuable contributions to IEEE SSCI 2013. Finally, I acknowledge the support of IEEE Computational Intelligence Society officers, technical committees and the task forces to make the IEEE SSCI 2013 a great success.

IEEE SSCI 2014

The next edition of the IEEE SSCI will be held in Orlando, Florida in December 2014. The details can be found at: http://www.ieee-ssci.org. We look forward to another successful IEEE SSCI meeting in the Disneyland.
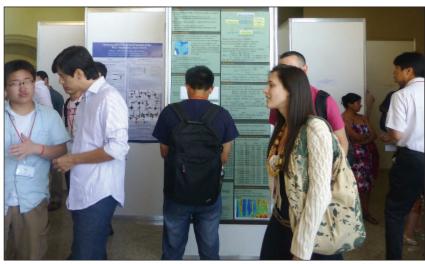
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Conference Report for 2013 IEEE Congress on Evolutionary Computation

The 2013 IEEE Congress on Evolutionary Computation took place at the Fiesta Americana Grand Coral Beach hotel, in Cancún (México) from 20 to 23 June 2013.

We had 751 submitted papers, of which 443 were accepted for presentation. More than 2000 authors from 62 countries submitted papers for the conference. The five top countries in terms of number of submissions were: 1) Brazil (with 89 papers), 2) Mexico (77), 3) China (66), 4) Japan (58) and 5) USA (53). We had an international program committee consisting of more than 580 members from all over the world who thoroughly reviewed all the conference submissions. The program included 33 special sessions and 24 free tutorials. There were three keynotes, four competitions, two panels, an art exhibit and a Senior Member Elevation Clinic. The keynote addresses included "What's Up with Co-evolutionary Algorithms?", that was given by Kenneth de Jong from George Mason University (USA) while

The technical sessions (both oral and poster presentations) were well attended.

Thomas Stützle from the Free University of Brussels (Belgium) spoke on "Automated Algorithm Configuration: Methods, Applications and Prospects," and Bernhard Sendhoff from Honda Research Institute Europe (Germany) presented "Engineering Design with Evolutionary Computation and Data Analytics."

The award for the overall best paper went to Thaer Jayyousi and Robert Reynolds for "Using Cultural Algorithms to Generate Models of Ancient Urban Centers: The Monte Alban Example" and the runner up overall paper went to Alan Lockett for "Measure-Theoretic Analysis of Performance in Evolutionary Algorithms."

The best student paper award went to Ricardo Cerri, Rodrigo Barros, Andre Carvalho and Alex Freitas for "A Grammatical Evolution Algorithm for

The art exhibit gave a distinctive touch to CEC 2013.

During the banquet, several awards were delivered, including the CIS Evolutionary Computation Pioneer Award, which went to Xin Yao.

Generation of Hierarchical Multi-Label Classification Rules" and the runner-up student paper went to Jonathas Trindade, Fabiola Araujo, Aldebaro Klautau and Pedro Batista for "A Genetic Algorithm with Look-Ahead Mechanism to Estimate Formant Synthesizer Input Parameters."

A welcome dinner took place on June 21 at a terrace that provided a magnificent view of the beach.

On June 22 we had the Awards Banquet, which started with a prehispanic ritual and a Mexican show that provided an example of the dancing traditions from various parts of México. At the banquet we honored several outstanding individuals from Evolutionary Computation and announced the Best Paper awards for the conference. Recognized at the Awards Banquet were Xin Yao (CIS Evolutionary Computation Pioneer Award), Gary Yen (CIS Meritorious Service Award) and Carlos A. Coello Coello (IEEE Kiyo Tomiyasu Award). Also recognized were Adriana Lara, Gustavo Sanchez, Carlos A. Coello Coello and Oliver Schütze for their paper "HCS: A New Local Search Strategy for Memetic Multiobjective Evolutionary Algorithms" (*IEEE Transactions on Evolutionary Computation* Outstanding 2010 Paper Award).

I would like to thank everyone on the Organizing Committee, in particular Arturo Hernández-Aguirre (Finance Chair) for all his hard work and committment. I am also very thankful to all our Chairs: Program, Technical, Tutorials, Special Sessions, Competitions, Proceedings, Posters Sessions, and Publicity. Their efforts made this conference pos-

sible. I also want to give special recognition to the Centro de Investigación y de Estudios Avanzados del Instituto Politécnico Nacional (CINVESTAV-IPN) and the Centro de Investigación en Matemáticas (CIMAT) for their generous financial support. Special thanks also to all our staff, particularly to José Luis Flores, Felipa Rosas, Ignacio Segovia, Jannet Vega, Pedro Moreno and all our students, postdocs and former students who helped us a lot and strongly supported this conference. Thanks to Francisco Fernández de Vega for his very successful art exhibit. Thanks to Jo-Ellen Snyder and Mary Ann Fritzinger (from IEEE) and Gary Fogel (VP for Conferences) for all their valuable help.

You can find complete information about the conference, including several photos, at http://www.cec2013.org.

CEC 2013 was a very successful conference with an excellent technical program, great food, wonderful attendance and a beautiful venue. I look forward to meeting all its attendants next year in Beijing, China, during WCCI 2014 (http://www.ieee-wcci2014.org) and in Sendai, Japan, for the 2015 IEEE Congress on Evolutionary Computation (http://www.cec2015.org).

Editor's Remarks (continued from page 2)

To better serve the needs of our membership, I am pleased that we can now access and view *CIM* via the iPad as part of the IEEE Newsstand App which is available on iTunes App Store. As 2013 draws to a close and as my time as the Editor-in-Chief for *CIM* concludes, I hope you have attained some, if not all, of the goals you have set for yourself at the beginning of the year, with *CIM* as your constant quarterly companion. I would also like to express my greatest appreciation to everyone

who has contributed to the production of this magazine, particularly Laura Ambrosio, Jessica Barragué and Kheng Im, for their tireless efforts and behind-the-scenes work for the magazine.

As sad as I am to relay my farewells, I will continue to contribute to the IEEE CIS community (so do drop by and say hi if you see me). In particular, I will serve as the General Co-Chair of IEEE World Congress on Computational Intelligence (WCCI 2016) from 25–29 July 2016 in Vancouver, Canada. I shall

be supporting with the handover of the *CIM* to Hisao Ishibuchi, who will take over as the Editor-in-Chief from the next issue. I firmly believe that Hisao and his team will bring *CIM* to new and greater heights.

Season's Greetings and Happy Holidays!

K. C. Tan