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# Advances in Computational Intelligence

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# Preface

The 2012 IEEE World Congress on Computational Intelligence (IEEE WCCI) is a premier event organized by the IEEE Computational Intelligence Society. On even years it hosts three large conferences: The IEEE Congress on Evolutionary Computation (CEC), the International Joint Conference on Neural Networks (IJCNN), and the IEEE International Conference on Fuzzy Systems (FUZZ-IEEE).

It has been a tradition for IEEE WCCI to issue a book composed of chapters written by the Plenary (Congress Level) and Invited Lecture (Conference Level) speakers. This volume is the culmination of this activity in 2012.

The Organizing Committee of IEEE WCCI 2012 wish to take this opportunity to acknowledge the contributions made by these speakers. Each of them presents a chapter capturing the state of the art in their own domain. Together, these chapters form a snapshot of recent research, trends and future directions in computational intelligence. We sincerely hope that the readers of this volume find useful information relevant to their own interest in computational intelligence.

June 2012

Jing Liu  
Cesare Alippi  
Bernadette Bouchon-Meunier  
Garrison W. Greenwood  
Hussein A. Abbass

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