Editorial

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The purpose of this special issue is to collect excellent articles on innovative methods and applications in the study fields of computational intelligence. The papers in this issue are extended versions of selected papers presented at 2021 IEEE 12th International Workshop on Computational Intelligence and Applications (IEEE IWCIA2021), which was held in Hiroshima, Japan by the sponsorship of the IEEE Systems, Man and Cybernetics Society (SMC) Hiroshima Chapter. The IWCIA covers the broad spectrum

of research fields ranging from computational intelligence methodologies such as deep learning, neural networks, evolutionary computation, etc. to their practical applications like knowledge acquisition or data prediction from big data. High quality technical papers were presented at IEEE IWCIA2021, and the five papers were selected from among all the accepted papers for this special issue.

We sincerely hope that five papers provide the readers with state-of-the-art information of their interest, and this issue will also bring their attention to the IEEE IWCIAs.

We wish to express our gratitude to the people who make this special issue possible. First, we would like to thank all the reviewers for their timely and thoughtful comments on the papers. Of course, we would like to thank all the authors for providing excellent papers and modifying them based on the reviewers' comments. Finally, we gratefully acknowledge the support of Professor George A. Tsihrintzis and Professor P. Crippa, the editor-in-chiefs of this journal, for giving us the opportunity to compile this special issue.