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HOW TO FACE GLOBAL CHALLENGES? THE ROLE OF NATURAL COMPUTING AND CHEMICAL ARTIFICIAL INTELLIGENCE

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Relatore

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Abstract

Humanity is spurred to tackle global challenges involving everyone on Earth. Facing global challenges requires dealing with Complex Systems. The principal features of Complex Systems and the difficulties in dealing with them will be presented. Finally, some promising strategies to face global challenges will be proposed. The roles of Natural Computing and Chemical Artificial Intelligence will be highlighted. Two examples of Chemical Artificial Intelligence will be described in more detail. Finally, it will be shown how Chemical Artificial Intelligence will possibly contribute to facing global challenges and understanding more deeply Complex Systems.

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