

evoapplications*

**24th European Conference
on the Applications of Evolutionary
and bio-inspired Computation**

part of evo* 2021
www.evostar.org

7 – 9 April 2021
Online and at Seville, Spain

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Special Session

on Applications

of Nature-inspired

Computing for

Sustainability

and Development

**DEADLINE
EXTENDED**

evo*

2021
Seville, Spain

The Sustainable Development (SD) concept is increasingly becoming of paramount importance at a global level. In 2015, the United Nations (UN) organization indicated a list of 17 SD goals which encompass a variety of fundamental challenges such as, among the others, renewable energies adoption, management of water and other natural resources, healthcare and education quality, gender equality, sustainable agriculture, waste minimization, resilient urban development, industrial innovation and risk management. Since then, SD has evolved to include any social, economic and environmental aspect related to human development.

Recent technologies, which are now finding their place in our every-day life, have played a major role in achieving, also partially, some of such SD goals. This is the case of e.g. Information and Communication Technologies (ICTs), which have been key to the development of smart cities, smart power grids, e-Learning, tele-medicine, search-and-rescue robots, etc. Notably, the most successful implementations of the aforementioned systems make use of notions and ideas from the Computational Intelligence field, including evolutionary computation approaches and other nature-inspired techniques due to their wide applicability scope and flexibility in modeling highly complex real-world scenarios.

This special session aims at gathering the recent state-of-the-art where nature-inspired methods are used to tackle, directly or indirectly, one or more SD goals (<https://sdgs.un.org/goals>).

Topics of Interest

Contributions are not limited, but strongly encouraged, to applications of nature-inspired techniques regarding the following topics of interest:

- * Any of the UN sustainable development goals
- * Precision Agriculture & Remote Sensing with CI
- * FinTech
- * Intelligent and safe transportation
- * Smart cities
- * Smart grid
- * Renewable energies
- * Expert systems for tele-medicine
- * Technology-enhanced education
- * Green scheduling problems
- * Decision Making / Consensus Modelling in Social Networks
- * Opinion Evolution

Extended Submission Deadline

~~1 November 2020~~
19 November 2020

Organizers

Valentino Santucci
Fabio Caraffini

More info at:

www.evostar.org/2021/evoapps/anicsd/