

**evoapplications\***

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

**part of evo\* 2021**  
[www.evostar.org](http://www.evostar.org)

**7 – 9 April 2021**  
**Seville, Spain**

# **evoapps\***

# **Special Session on Bio-inspired Techniques for Social Networks**

**evo\***

**2021**  
Seville, Spain

The special session on Bio-inspired techniques for Social Networks (BioSocNet) gives a venue to researchers who design solutions based on soft computing to problems from the social-network domain.

Due to their large scale and dynamics, social networks pose a number of difficult computational challenges, such as community detection, clustering, influence maximization, or diffusion control. Advances in soft computing, especially evolutionary computation and large-scale numerical optimization techniques, show that these methods are effective tools for tackling these challenges.

Experimental studies over real-world network data, new metaheuristics, as well as scalability studies are welcome. We encourage contributions related to COVID-19 data or models, and contributions from the Operational Research and Complex Networks / Statistical Physics perspectives based on bio-inspired or physics-inspired principles.

Topics of interest include, but are not limited to:

- \* Influence maximization
- \* Vaccination optimization
- \* Virus diffusion control
- \* Sentinel optimal placement for event detection
- \* Community detection
- \* Network clustering
- \* Models of influence spread
- \* Models of network dynamics

#### **Submission Details**

Submissions must be original and not published elsewhere. They will be peer reviewed by members of the program committee. The reviewing process will be double-blind, so please omit information about the authors in the submitted paper.

Submit your manuscript in Springer LNCS format and provide up to five keywords in your Abstract

**Page limit:** 16 pages

**Submission deadline:** 1 November 2020

#### **Organizers**

Giovanni Iacca  
Doina Bucur

#### **More info at:**

[www.evostar.org/2021/evoapps/BioSocNet/](http://www.evostar.org/2021/evoapps/BioSocNet/)