

**evoapplications \***

**25th European Conference  
on the Applications of Evolutionary  
and bio-inspired Computation**

part of **evo\* 2022**

[www.evostar.org](http://www.evostar.org)

Seville, Spain

20–22 April 2022

**EXTENDED  
DEADLINE**

**evoapps \***  
special session on

# Machine Learning and AI in Digital Healthcare and Personalized Medicine

EvoMED is a multidisciplinary workshop that brings together researchers working in the fields of personalised medicine, medical devices, clinical diagnostics, and patient monitoring that apply advanced evolutionary computation techniques to address critical problems in digital healthcare and medical applications. As the demand on health systems and hospitals worldwide becomes unsustainable, there has been an increasing interest in applying novel approaches, such as evolutionary computation, to the next generation of healthcare solutions. As the mode of treatment turns from the hospital to the home, there has been a particular focus on personalised medicine in the hope of improving patient care and reduce costs.

Topics of interest include, but are not limited to, any of the following:

- \* Medical imaging
- \* Medical signal processing
- \* Medical text analysis
- \* Clinical diagnosis and therapy
- \* Data mining medical data and records
- \* Clinical expert systems
- \* Modelling and simulation of medical processes
- \* Drug description analysis
- \* Genomic-based clinical studies
- \* Patient-centric care
- \* Patient / hospital management optimisation
- \* Personalised medicine
- \* Disease identification
- \* Drug discovery
- \* Treatment and prediction of disease
- \* Robotics and IoT for healthcare applications

**Submission deadline:** 1 November 2021

**Extended submission deadline:**  
24 November 2021

**Organizers**

Stephen Smith, University of York (UK)

Marta Vallejo, Heriot-Watt University (UK)

More info at:

<http://www.evostar.org/2022/evoapps/ecdhpm>