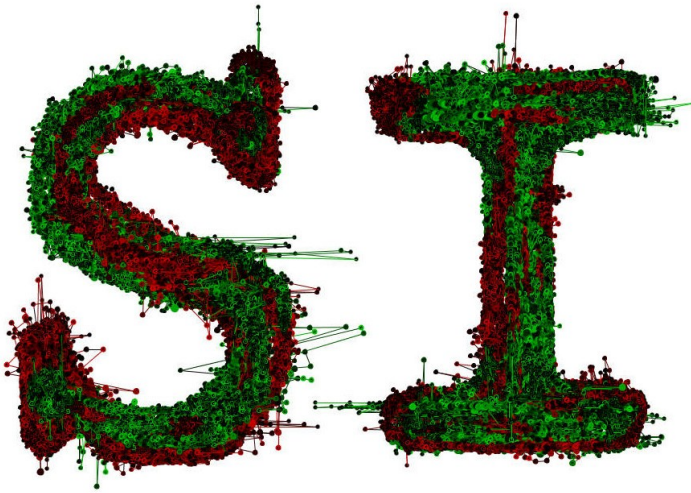


Swarm Intelligence & Evolutionary Computation



Swarm intelligence (SI) and evolutionary computation (EC) techniques have been thriving research topics, specially with the dominating presence of big data in all aspects of technology and and their importance in policy making for institutions, governments and international bodies.

Self-organising nature of swarm intelligence in both nature and computational models is key to the attractiveness of such techniques; several such techniques are already proposed, not only explaining and reflecting on the natural-and-social phenomena but also their application to solve complex problems in many fields is an ongoing observation.

Additionally, noisy environments and/or incomplete data are often at the heart of hard real-world data where search and optimisation-related problems are amongst the core issues. Ever since the inception of SI and EC techniques, researchers have been attracted to the complex emergent behaviour, robustness and easy-to-understand architecture of nature-inspired swarm

intelligence algorithms; and, particularly in challenging search environments, these algorithms have often proved more useful than conventional approaches.

This symposium would be facilitating the discussion of emerging topics in this context and would encourage early-career researchers, enthusiasts as well as senior academics to engage in a dialogue surrounding the applications and theories based on swarm intelligence and evolutionary computation techniques.

ORGANISING COMMITTEE

- Dr. Mohammad Majid al-Rifaie (Chair)
- Dr. Tim Blackwell
- Haya Alhakbani

PROGRAMME COMMITTEE

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TOPICS OF INTEREST

Topics of interest for this symposium include, but not limited to:

- applied and theoretical research in swarm intelligence and evolutionary computation
- applications of swarm intelligence and evolutionary computation techniques to real-world problems
- studying the behaviour of social insects, social animals and natural phenomena in the context of swarm intelligence and evolutionary computation techniques

This symposium invites the participants to contribute with up to 8-page using the template provided.

IMPORTANT DATES

- Submission of papers: 5 January 2018
- Notification of acceptance: 5 February 2018
- Camera-ready submission: 5 March 2018
- Symposium: One day between 4th – 6th April 2018

SYMPOSIUM URL

<https://sites.google.com/site/aisb2018si/>

SUBMISSION

<https://easychair.org/conferences/?conf=aisb2018si>

VENUE

University of Liverpool, UK. AISB18: 4th – 6th April 2018

