

# **39th Annual Convention of the Society for the Study of Artificial Intelligence and the Simulation of Behaviour**

**(AISB 2013)**

**Devon, United Kingdom  
3 – 5 April 2013**

**Part 1 of 8**

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AISB 2013  
Artificial Intelligence and Poetry

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# 2<sup>nd</sup> Symposium on Nature Inspired Computation and Applications (NICA)

## Preface

This second symposium on Nature Inspired Computation and Applications (NICA) builds on the success of the first NICA symposium held at AISB 2012. The NICA symposium series takes inspiration from previous successful symposia that focussed on specific algorithms, including evolutionary algorithms and swarm intelligence. The papers in this symposium demonstrate the breadth of research in this topic in AI, covering spiking neural networks, biogeography based methods and multi-agent systems applied to problems in engineering, AI research and ecology. It is clear from these papers that the field of Nature Inspired Computation encompasses a wide variety of techniques that can be used as tools not only for optimising systems but also for understanding our own cognitive processes.

I would like to thank the authors who submitted papers to the symposium and to the NICA 2013 programme committee (listed below) for their assistance in reviewing submissions this year.

Prof. Richard Everson  
Dr Jonathan Fieldsend  
Dr Antony Galton  
Dr Kent McClymont  
Dr David Walker

*Dr Ed Keedwell, Symposium Chair*

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