EVOLUTIONARY COMPUTING 20

Alan Turing was the first person to suggest that natural evolution may provide inspiration for approaches to artificial intelligence, in the famous "Intelligent Machinery" report he produced in 1948 (published 1968). The first implementations of such evolutionary computing emerged during the following decades, including pioneering work in the UK by Richard Forsyth with his BEAGLE system (1981). The first event dedicated to evolutionary computing in the UK was held as part of the 1994 AISB Convention in Leeds, organised by Terry Fogarty. The workshop continued to be held at the annual convention for a number of years thereafter, with the proceedings, entitled Evolutionary Computing, published by Springer each year.

The 50th anniversary of the Society for the Study of Artificial Intelligence and Simulation of Behaviour's (AISB) annual convention is also the 20th anniversary of that first evolutionary computing workshop. And so a one-day event was arranged to mark the anniversary, the contributions to which are included here.

Larry Bull, UWE

Chair