

MSc in Evolutionary and Adaptive Systems, at Sussex

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The Evolutionary and Adaptive Systems (EASy) group at the University of Sussex is probably the largest such multidisciplinary research group in the world, working on a wide range of topics where Computer Science and Complex Systems and AI and Artificial Life swap ideas with Biology. We have over 40 active researchers at doctoral and postdoctoral level, plus a significant number of Masters students. Our research group has been going some 16 years, the MSc since 1996. It is a research-oriented MSc, and there are now over 100 ex-EASy MSc students who have completed doctorates or are now researching for them around the world.

The EASy MSc is a one year course with 2 terms of coursework followed by a major supervised project in a relevant area. The EASy group is within the Informatics Department, with strong links to the School of Life Sciences.

We have some funding from the EPSRC to award studentships on a competitive basis to the best UK/EU applicants: UK-resident students tuition or tuition+living expenses, other EU students tuition fees only. Other international applicants, likewise local students not awarded studentships, are welcome on self-funding basis; a part-time option over 2 years is also available.

Applications (for October 2006 start) need to provide evidence of sufficient programming experience to start programming for projects within the first term; either Analytic or Maths or Scientific experience/expertise, so as to be able to think analytically in complex areas; and cogent reasons for wanting to do a research-oriented MSc in this area. These applications are also used to decide allocation of studentships.

Faculty currently directly involved in the course include

Dr Inman Harvey – artificial evolution, evolutionary robotics, artificial life

Prof Phil Husbands – evolutionary computation, GasNets for robotics

Dr Ezequiel Di Paolo – evolving collective behaviour, homeostasis, autopoiesis

Dr Adrian Thompson – evolvable hardware, evolutionary electronics

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Dr David Young – Computer Vision
Dr Emmet Spier – Adaptive Behaviour
Dr Andy Philippides ? Modelling of neurotransmitters

Other faculty here at Sussex in associated areas in the School of Life Sciences include

Prof Tom Collett (Ant and bee navigational behaviour)
Prof Mick O'Shea (Neuroscience)
Dr Joel Peck (Evolutionary Theory)
Prof David Waxman (Evolutionary Theory)
Dr Daniel Osorio (Animal Vision)

For further admin information and applications contact

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For finding relevant links to browse, use

<http://www.informatics.susx.ac.uk/users/inmanh/EASyMSc.html>

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