

School of Electronic Engineering and Computer Science

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Professor Simon Lucas



Professor and Head of School

Email: eecs-head@gmul.ac.uk Telephone: +44 20 7882 5989

Room Number: Peter Landin, CS 311

- Teaching • Research
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Research

Research Interests:

Find me on:

- Google Scholar
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- ORCID ID: 0000-0002-3180-7451

The main focus of my research is AI and Games? both using games an ideal test-bed for AI research, and in using AI to make better game-playing agents, generating new games and optimising game content and game parameters. This leads on to studying various types of machine learning, with particular emphasis on reinforcement learning and evolutionary algorithms.

I am the director of the Game AI Research Group at Queen Mary University of London and am also the Queen Mary lead for the EPSRC funded Centre for Doctoral Training in Intelligent Games and Game Intelligence (IGGI).

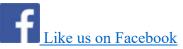
Research includes novel approaches to General Video Game AI.

Games are a natural source of noisy optimisation algorithms, and in our group we have developed an efficient approach to this that combines evolutionary algorithms with combinatorial bandit algorithms. It is called the N-Tuple Bandit Evolutionary Algorithm and will soon be made open-source: more details available on request.





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School of Electronic Engineering and Computer Science, Peter Landin Building Queen Mary University of London 10 Godward Square

Mile End Road London E1 4FZ

Tel: +44 (0)20 7882 3400

Undergraduate Enquiries: Tel: +44 (0)20 7882 7332 Postgraduate Enquiries: Tel: +44 (0)20 7882 7333

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