

Curriculum Vitae

Personal Information

Name	Warwicker, John Alasdair
Nationality	British
Date of birth	25 September 1992
Telephone	(+44) 7867305702
Emails	johnwarwicker1@gmail.com, john.warwicker@kit.edu
Google Scholar Profile	https://scholar.google.com/citations?user=SK6CxIMAAAAJ&hl=en

Work Experience

Dates	06/2019 – present
Occupation or Position Held	Postdoctoral Researcher
Institution	Karlsruhe Institute of Technology, Germany
Dates	11/2018 – 05/2019
Occupation or Position Held	Research Assistant
Institution	The University of Sheffield, UK
Project title	Time Complexity Analysis of Hyper-heuristics
Dates	03/2014 – 08/2014
Occupation or Position Held	Finance Intern
Institution	East and North Herts NHS Trust
Dates	08/2011 – 09/2011
Occupation or Position Held	Shadowing Team Members
Institution	National Centre for Social Research

Education and Qualifications

Dates	10/2015 – 10/2018
Institution	The University of Sheffield, UK
Degree	<i>PhD. in Computer Science</i>
Thesis title	On the Runtime Analysis of Selection Hyper-heuristics for Pseudo-Boolean Optimisation Problems
Dates	10/2011 – 07/2015
Institution	Loughborough University, UK
Study	<i>Mathematics</i>
Qualification awarded	<i>(MMath) Master of Mathematics Degree</i>
Dates	09/2009 – 07/2011
Institution	The Priory School, Hitchin, UK
Qualification awarded	<i>A-Levels in Mathematics, Further Mathematics, Physics, Chemistry</i>

Teaching Experience

Dates	02/18 – 05/18, 02/17 – 05/17, 10/16 – 12/16, 02/16 – 05/16
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Role and Courses Taught Institution	Demonstrator; Foundations of Computer Science (Undergraduate) The University of Sheffield, UK
Dates	02/18 – 05/18, 02/17 – 05/17
Occupation or position held Institution	Demonstrator; Algorithms and Data Structures (Undergraduate) The University of Sheffield, UK
Dates	10/17 – 12/17, 10/16 – 12/16
Role and Courses Taught Institution	Demonstrator; Devices and Networks (Undergraduate) The University of Sheffield, UK
Dates	02/2017 – 05/17
Occupation or position held Institution	Demonstrator; Modelling and Simulation of Natural Systems (Undergraduate) The University of Sheffield, UK

Research Publications¹

- 2019**
- John Alasdair Warwicker.**
On the Runtime Analysis of Selection Hyper-heuristics for Pseudo-Boolean Optimisation.
PhD thesis, University of Sheffield, 2019
- Andrei Lissovoi, Pietro S. Oliveto, and **John Alasdair Warwicker.**
On the Time Complexity of Algorithm Selection Hyper-Heuristics for Multimodal Optimisation.
In *Proceedings of the AAAI Conference on Artificial Intelligence, AAAI '19*, p. 2322–2329. AAAI Press, 2019
- Andrei Lissovoi, Pietro S. Oliveto, and **John Alasdair Warwicker.**
Simple Hyper-Heuristics Control the Neighbourhood Size of Randomised Local Search Optimally for LeadingOnes.
Evolutionary Computation.
To appear
- 2018**
- Benjamin Doerr, Andrei Lissovoi, Pietro S. Oliveto, and **John Alasdair Warwicker.**
On the Runtime Analysis of Selection Hyper-heuristics with Adaptive Learning Periods.
In *Proceedings of the Genetic and Evolutionary Computation Conference, GECCO '18*, p. 1015–1022. ACM, 2018
- 2017**
- Andrei Lissovoi, Pietro S. Oliveto, and **John Alasdair Warwicker.**
On the Runtime Analysis of Generalised Selection Hyper-heuristics for Pseudo-Boolean Optimisation.
In *Proceedings of the Genetic and Evolutionary Computation Conference, GECCO '17*, p. 849–856. ACM, 2017

Academic Service

Program Committee Member

ACM FOGA '19, ACM GECCO '19, ACM GECCO SWS '18, '17, '16, IEEE SSCI '18, '17, '16, IEEE CEC '19, '17, IEEE FOCI '16, SPRINGER PPSN '16

Journal Reviewer

ELSEVIER EJOR '19, SPRINGER ALGORITHMICA '19, IEEE TEVC '19, '18

Research Activities

Activity	Research visit
Institution	École Polytechnique
Host Researcher	Prof. Benjamin Doerr

¹ Authors listed in alphabetical order. Conferences are the main outlet for publications in Computer Science.

Dates 02/05/2017–31/05/2017

Invited Talks²

Date	31/01/2019
Location	AAAI Conference, Honolulu, Hawaii, USA.
Title	On the Performance of Move Acceptance Hyper-heuristics for Multimodal Optimisation.
Date	18/07/2018
Location	GECCO Conference, Kyoto, Japan.
Title	On the Runtime Analysis of Selection Hyper-Heuristics with Adaptive Learning Periods.
Date	18/07/2017
Location	GECCO Conference, Berlin, Germany.
Title	On the Runtime Analysis of Generalised Selection Hyper-heuristics for Pseudo-Boolean Optimisation.

Technical Skills

Programming Skills	Proficient in: C, C++, IBM ILOG CPLEX, LaTeX, Maple, Mathematica. Competent in: Matlab, Java, HTML.
Industry Software Skills	MS Office products (Advanced), Social Media (Advanced).

Grants Awarded

Grant Description	PhD Student Grant
Grant Sponsor	Department of Computer Science, University of Sheffield, UK
Dates	10/2015-09/2018
Grant Description	Learned Society Funding
Grant Sponsor	Department of Computer Science, University of Sheffield, UK
Dates	05/2018, 11/2018
Grant Description	Student Travel Grant for GECCO 2017
Grant Sponsor	ACM SIGEVO
Dates	07/2017

Languages

Mother tongue	English
Intermediate	German

²Non-exhaustive list.