

# Curriculum Vitae

## Personal Information

Name	<b>Warwicker, John Alasdair</b>
Nationality	British
Date of birth	25 September 1992
Telephone	(+44) 7867305702
Emails	johnwarwicker1@gmail.com, john.warwicker@kit.edu
Google Scholar Profile	<a href="https://scholar.google.com/citations?user=SK6CxIMAAAJ&amp;hl=en">https://scholar.google.com/citations?user=SK6CxIMAAAJ&amp;hl=en</a>

## 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	Demonstrator; Foundations of Computer Science (Undergraduate)
Institution	The University of Sheffield, UK
Dates	02/18 – 05/18, 02/17 – 05/17
Occupation or position held	Demonstrator; Algorithms and Data Structures (Undergraduate)
Institution	The University of Sheffield, UK
Dates	10/17 – 12/17, 10/16 – 12/16
Role and Courses Taught	Demonstrator; Devices and Networks (Undergraduate)
Institution	The University of Sheffield, UK
Dates	02/2017 – 05/17
Occupation or position held	Demonstrator; Modelling and Simulation of Natural Systems (Undergraduate)
Institution	The University of Sheffield, UK
<b>Research Publications<sup>1</sup></b>	
<b>2019</b>	<p><b>John Alasdair Warwicker.</b>  <i>On the Runtime Analysis of Selection Hyper-heuristics for Pseudo-Boolean Optimisation.</i>  PhD thesis, University of Sheffield, 2019</p> <p>Andrei Lissovoi, Pietro S. Oliveto, and <b>John Alasdair Warwicker.</b>  On the Time Complexity of Algorithm Selection Hyper-Heuristics for Multimodal Optimisation.  In <i>Proceedings of the AAAI Conference on Artificial Intelligence</i>, AAAI '19, p. 2322–2329. AAAI Press, 2019</p> <p>Andrei Lissovoi, Pietro S. Oliveto, and <b>John Alasdair Warwicker.</b>  Simple Hyper-Heuristics Control the Neighbourhood Size of Randomised Local Search Optimally for LeadingOnes.  <i>Evolutionary Computation.</i>  To appear</p>
<b>2018</b>	<p>Benjamin Doerr, Andrei Lissovoi, Pietro S. Oliveto, and <b>John Alasdair Warwicker.</b>  On the Runtime Analysis of Selection Hyper-heuristics with Adaptive Learning Periods.  In <i>Proceedings of the Genetic and Evolutionary Computation Conference</i>, GECCO '18, p. 1015–1022. ACM, 2018</p>
<b>2017</b>	<p>Andrei Lissovoi, Pietro S. Oliveto, and <b>John Alasdair Warwicker.</b>  On the Runtime Analysis of Generalised Selection Hyper-heuristics for Pseudo-Boolean Optimisation.  In <i>Proceedings of the Genetic and Evolutionary Computation Conference</i>, GECCO '17, p. 849–856. ACM, 2017</p>
<b>Academic Service</b>	
<b>Program Committee Member</b>	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
<b>Journal Reviewer</b>	ELSEVIER EJOR '19, SPRINGER ALGORITHMICA '19, IEEE TEVC '19, '18
<b>Research Activities</b>	
Activity	Research visit
Institution	École Polytechnique
Host Researcher	Prof. Benjamin Doerr

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



Dates	02/05/2017–31/05/2017
<b>Invited Talks<sup>2</sup></b>	
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.
<b>Technical Skills</b>	
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).
<b>Grants Awarded</b>	
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
<b>Languages</b>	
Mother tongue	<b>English</b>
Intermediate	German

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<sup>2</sup>Non-exhaustive list.