

# **Professor Graham Kendall, BSc, PhD, FORS, FBCS**

## **Executive Summary**

I am Provost and CEO of the University of Nottingham Malaysia Campus. I also serve as a Pro-Vice Chancellor at the University of Nottingham. I hold a Distinguished Professorship at the Open University, Hong Kong and an Honorary Professorship at Amity University, India.

I am a Fellow of the British Computer Society, a Fellow of the Operational Research Society and a Senior Member of IEEE.

Before entering academia I spent almost 20 years (1979-1994) in the Information Technology (IT) sector, holding positions at the Co-operative Wholesale Society and Provincial Insurance. I ultimately managed IT support teams and large IT projects, having responsibility for upwards of 100 people.

In 1994, I decided to leave the industrial sector and do my undergraduate studies (1994-1997) and then a PhD (1997-2000). Despite entering academia late (1994) in my career, my research/funding record is at a level that is the same, or better, than my peers.

In 1999, two years into my PhD, I was offered a lectureship at the University of Nottingham. I was promoted to full Professor in January 2007 and took up the position of Vice-Provost (Research and Knowledge Transfer) in August 2011.

## **Contact Details**

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## **Education**

1994-1997                BSc (Hons) First Class in Computation from University of Manchester Institute of Science and Technology (UMIST)

1997-2001                PhD. School of Computer Science, University of Nottingham. Viva date: 1st Dec 2000. Graduation date: 4th July 2001.

## Career Summary

### Employment History (see page 6)

My career has followed two distinct paths. For 17 years I worked in the Information Technology industry, acting in a variety of managerial roles, managing upwards of 100 people. In 2000, I began an academic career, becoming a full Professor in 2007, followed by becoming Vice-Provost for Research and Knowledge at the University of Nottingham's Malaysia Campus in 2011.

### Publications (see page 8)

- Authored over 100 refereed journal papers, over 250 referred papers in total
- Authored over 20 book chapters
- Editor of 15 books

### Citations (see page 28)

My work has been highly cited, with h-indexes equivalent to, or better, than my peers. My h-index on Web of Knowledge (resp. Scopus and Google Scholar) is 27 (resp. 36 and 54).

### Research Funding (see page 29)

- Awarded over £7M (UK) and RM 6.5M (Malaysia) of research funding

### Editorial Roles (see page 37)

- I serve as an Editor-in-Chief on an IEEE journal and as an Associate Editor on 10 other journals.
- I have served on over 225 Program Committees

### Supervision (see page 48)

- I have supervised 29 PhD students to completion

### Invited Talks (see page 50)

- I have been invited to give more than 40 plenary, keynote and invited talks, across the world.

### Esteem (see page 53)

- Fellow of both the British Computer Society and the Operational Research Society
- Holds Distinguished and Honorary Professorships

### Examining and Reviewing (see page 55)

- Externally examined over 30 PhD students
- Acted in a variety of roles as an external examiner for a number of institutions
- Acted as a reviewer for international funding bodies

### Industrial Activity (see page 60)

- Seventeen years of experience in IT before becoming an academic
- Chief Executive Officer MyResearch Sdn Bhd. (2012 – 2016). Director (2016 – present)
- Director of Nottingham Green Technologies Sdn Bhd. (2015 – present)

- Director of Crops for the Future (2016 – present)

**Media** (see page 61)

- My research has been featured in various media outlets, and I have written a number of articles
- I write regularly for TheConversation. I have written 27 articles and am the most read author from the University of Nottingham (from 240 authors)

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# Appendices

## Employment History

My career has followed two distinct paths. For 17 years I worked in the Information Technology industry, acting in a variety of managerial roles, managing upwards of 100 people.

In 2000, I began an academic career, becoming a full Professor in 2007, followed by becoming Vice-Provost for Research and Knowledge at the University of Nottingham's Malaysia Campus in 2011. In 2016 I became the Provost/CEO of our Malaysia campus. As part of this role I am also a Pro-Vice Chancellor of the University of Nottingham.

My complete career history is shown below.

### **Provost, CEO (University of Nottingham Malaysia Campus) and Pro-Vice Chancellor (University of Nottingham)**

Employer: University of Nottingham Malaysia Campus (UNMC)  
Start Date: 1<sup>st</sup> August 2016  
End Date: present

I am currently due to return to the UK in July 2021.

I also hold the following positions, as part of my Provost/CEO role.

1. **Director:** MyResearch Sdn Bhd. This is the commercialisation arm of the University of Nottingham, Malaysia Campus. This company mainly deals with commercial research projects.
2. **Director:** Crops for the Future (CFF) Sdn Bhd. The University of Nottingham in Malaysia and the Government of Malaysia are shareholders, without guarantee and the focus of the company is to carry out research, across the entire supply chain, for underutilised crops.
3. **Director:** Nottingham Green Technologies Sdn Bhd. This is a spin out company of the University of Nottingham Malaysia Campus.

### **Vice Provost (Research and Knowledge Transfer)**

Employer: University of Nottingham Malaysia Campus (UNMC)  
Start Date: 1<sup>st</sup> August 2011  
End Date: 31<sup>st</sup> July 2016

I also held the following positions, as part of my Vice-Provost role.

1. **Chief Executive Officer:** MyResearch Sdn Bhd. This is the commercialisation arm of the University of Nottingham, Malaysia Campus. This company mainly deals with commercial research projects.
2. **Director:** Nottingham Green Technologies Sdn Bhd. This is a spin out company of the University of Nottingham Malaysia Campus

### **Professor**

Employer: University of Nottingham, UK  
Start Date: 1st January 2007  
End Date: present

### **Associate Professor and Reader**

Employer: University of Nottingham, UK  
Start Date: 1st August 2005  
End Date: 31st December 2006

**Senior Lecturer**

Employer: University of Nottingham, UK  
Start Date: 1st August 2003  
End Date: 31st July 2005

**Lecturer**

Employer: University of Nottingham, UK  
Start Date: 1st September 1999  
End Date: 31st July 2003

**Operations Support Manager**

Employer: Provincial Insurance, Kendal, Cumbria  
Start Date: 3rd May 1988  
End Date: 20th September 1994

**SCL (System Control Language) Support Technician**

Employer: CWS Computer Services, Manchester  
Start Date: 17 August 1987  
End Date: 29th April 1988

**JCL (Job Control Language) Technical Support Manager**

Employer: CWS Computer Services, Manchester  
Start Date: 04 August 1986  
End Date: 17 August 1987

**Remote Job Entry Service Manager**

Employer: CWS Computer Services, Salford  
Start Date: 11 June 1985  
End Date: 04 August 1986

**Production Manager**

Employer: CWS Computer Services, Woolwich  
Start Date: 5 April 1982  
End Date: 11 June 1985

**Previous positions to the ones above are summarised below.**

**Shift Supervisor for CWS Computer Services (1981-1982)**

**Computer Operator for Cornhill Insurance (1980-1981)**

**Senior Computer Operator for CWS Computer Services (1977-1980)**

# Publications

## Refereed Journal Publications

The ISI impact factor for the journal in which a paper has been published is provided. This is no indication of the quality of an individual paper but is provided as some readers like to have access to this information.

### In Press

1. Gunawan, A.; Ng, K. M.; Kendall, G. and Lai, J. An iterated local search algorithm for the team orienteering problem with variable profits. In *Engineering Optimization*, 2099 - In Press
2. Li, J.; John, R.; Coupland, S. and Kendall, G. On Nie-Tan operator and type-reduction of interval type-2 fuzzy sets. In *IEEE Transactions on Fuzzy Systems*, 2099 - In Press.

### 2018

3. Zain, M.Z.M; Kanesan, J.; Kendall, G. and Chuah, J. H. Optimization of fed-batch fermentation processes using the Backtracking Search Algorithm. In *Expert Systems with Applications*, 91: 286-297, 2018.

### 2017

4. Angiz, M. L. Z.; Nawawi, M. K. M.; Khalid, R.; Mustafa, A.; Emrouznejad, A. et al. Evaluating decision-making units under uncertainty using fuzzy multi-objective nonlinear programming. In *INFOR: Information Systems and Operational Research*, 55 (1): 1-15, 2017.
5. Goh, S. L.; Kendall, G. and Sabar, N. R. Improved local search approaches to solve the post enrolment course timetabling problem. In *European Journal of Operational Research*, 261 (1): 17-29, 2017.
6. Kendall, G. and Lenten, L. J. A. When Sports Rules Go Awry. In *European Journal of Operational Research*, 257 (2): 377-394, 2017.
7. Kendall, G.; Yee, A. and Hardy, S. We should be just a number, and we should embrace it. In *The Electronic Library*, 35 (2): 348-357, 2017.
8. Li, J. and Kendall, G. A hyper-heuristic methodology to generate adaptive strategies for games. In *IEEE Transactions on Computational Intelligence and AI in Games*, 9 (1): 1-10, 2017.
9. Mohamad, A.; Zainuddin, Y.; Alam, N. and Kendall, G. Does decentralized decision making increase company performance through its Information Technology infrastructure investment?. In *International Journal of Accounting Information Systems*, 27: 1-15, 2017.
10. Xiaoping, J.; Bai, R.; Atkin, J. and Kendall, G. A scheme for determining vehicle routes based on Arc-based service network design. In *INFOR: Information Systems and Operational Research*, 55 (1): 16-37, 2017.
11. Zamil, K. Z.; Din, F.; Kendall, G. and Ahmed, B. S. An experimental study of hyper-heuristic selection and acceptance mechanism for combinatorial t-way test suite generation. In *Information Sciences*, 399: 225-239, 2017.

### 2016

12. Dror, M.; Kendall, G. and Rapoport, A. Elicitation of Strategies in Four Variants of a Round-robin Tournament: The case of Goofspiel. In *IEEE Transactions on Computational Intelligence and AI in Games*, 8 (3): 209-217, 2016.



13. Kendall, G.; Bai, R.; Blazewicz, J.; Causmaecker, P. De; Gendreau, M. et al. Good Laboratory Practice for optimization research. In *Journal of the Operational Research Society*, 67 (4): 676-689, 2016.
14. Kendall, G.; Yee, A. and McCollum, B. Is There a Role for Publication Consultants and How Should Their Contribution be Recognized?. In *Science and Engineering Ethics*, 22 (5): 1553-1560, 2016.
15. Li, J.; Kendall, G. and John, R. Computing Nash Equilibria and Evolutionarily Stable States of Evolutionary Games. In *IEEE Transactions on Evolutionary Computation*, 20 (3): 460-469, 2016.
16. Nseef, S.K.; Abdullah, A.; Turky, A. and Kendall, G. An adaptive multi-population artificial bee colony algorithm for dynamic optimisation problems. In *Knowledge-Based Systems*, 104: 14-23, 2016.
17. Pandey, H.M.; Chaudhary, A; Mehrotra, D. and Kendall, G. Maintaining regularity and generalization in data using the minimum description length principle and genetic algorithm: Case of grammatical inference. In *Swarm and Evolutionary Computation*, 31: 11-23, 2016.
18. Soria-Alcaraza, J. A.; Özcan, E.; Swan, J.; Kendall, G. and Carpio, M. Iterated Local Search Using an Add and Delete Hyper-heuristic for University Course Timetabling. In *Applied Soft Computing*, 40: 581-593, 2016.
19. Zamil, Z. Z.; Alkazemi, B. Y. and Kendall, G. A Tabu Search hyper-heuristic strategy for t-way test suite generation. In *Applied Soft Computing*, 44: 57-74, 2016.

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20. Garg, A; Shukla, B and Kendall, G Barriers to implementation of IT in educational institutions. *The International Journal of Information and Learning Technology*, 32 (2): 94-108, 2015.
21. Grobler, J; Engelbrecht, A. P; Kendall, G and Yadavalli, V.S.S Heuristic Space Diversity Control for Improved Meta-Hyper-Heuristic Performance. *Information Sciences*, 300: 49-62, 2015.
22. Kahar, M.N. M. and Kendall, G A great deluge algorithm for a real-world examination timetabling problem. *Journal of the Operational Research Society*, 66 (1): 116-133, 2015.
23. Li, J and Kendall, G On Nash equilibrium and evolutionarily stable states that are not characterised by the folk theorem. *PLoS ONE*, 10 (8): e0136032, 2015.
24. Maashi, M; Kendall, G and Özcan, E Choice Function based Hyper-heuristics for Multi-objective Optimization. *Applied Soft Computing*, 28: 312-326, 2015.
25. Mujtaba, H; Kendall, G; Baig, A.R and Özcan, E Detecting change and dealing with uncertainty in imperfect evolutionary environments. *Information Sciences*, 302: 33-49, 2015.
26. Qu, R; Pham, N; Bai, R and Kendall, G Hybridising heuristics within an estimation distribution algorithm for examination timetabling. *Applied Intelligence*, 42 (4): 679-693, 2015.
27. Sabar, N. R; Ayob, M; Kendall, G and Qu, R A Dynamic Multiarmed Bandit-Gene Expression Programming Hyper-Heuristic for Combinatorial Optimization Problems. *IEEE Transactions on Cybernetics*, 45 (2): 217-228, 2015.
28. Sabar, N. R; Ayob, M; Kendall, G and Qu, R Automatic Design of Hyper-heuristic Framework with Gene Expression Programming for Combinatorial Optimization problems. *IEEE Transactions on Evolutionary Computation*, 19 (3): 309-325, 2015.
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31. Yee, A. S. V.; Chong, A. L. and Kendall, G. Managing University-Industry Collaborations in Malaysia by Examining its Critical Success Factors: A Dyadic Approach. In *World Review of Business Research*, 5 (3): 231-230, 2015.

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33. Bai, R; Li, J; Atkin, J.A.D and Kendall, G A novel approach to independent taxi scheduling problem based on stable matching. *Journal of the Operational Research Society*, 65(10):1501-1510, 2014
34. Davies, G.J; Kendall, G; Soane, E; Li, J; Rocks, S.A; Jude, S.R and Pollard, S.J.T Regulators as agents: Modelling personality and power as evidence is brokered to support decisions on environmental risk. *Science of the Total Environment*, 466-467: 74-83, 2014.
35. Kahar, M.N. M. and Kendall, G Universiti Malaysia Pahang examination timetabling problem: scheduling invigilators. *Journal of the Operational Research Society*, 65(2):214-226, 2014
36. Li, J and Kendall, G The effect of memory size on the evolutionary stability of strategies in iterated prisoner's dilemma. *IEEE Transactions on Evolutionary Computation*, 18(6):819-826, 2014
37. Lwin, K; Qu, R and Kendall, G A learning-guided multi-objective evolutionary algorithm for constrained portfolio optimization. *Applied Soft Computing*, 24: 757-772, 2014.
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40. Swan, J; Woodward, J; Özcan, E; Kendall, G and Burke, E Searching the Hyper-heuristic Design Space. *Cognitive Computation*
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42. Bai, R.; Burke, E.K.; Kendall, G. and van Woensel, T. A New Model and a Hyper-heuristic Approach for Two-dimensional Shelf Space Allocation. *4OR - A Quarterly Journal of Operations Research*, 11(1): 31-55, 2013.
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56. Burke, E. K; Hyde, M. R and Kendall, G Grammatical Evolution of Local Search Heuristics. *IEEE Transactions on Evolutionary Computation*, 16 (3): 406-417, 2012.
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58. Cruz, F. R. B; Kendall, G; While, L; Duarte, A. R and Brito, N. L. C Throughput Maximization of Queueing Networks with Simultaneous Minimization of Service Rates and Buffers. *Mathematical Problems in Engineering*, 2012.
59. Kendall, G Journals Rankings: Buyer Beware. *Ergon: Bulletin for the UM Academic Community*, 4 (2): 2-4, 2012.  
This was an invited short paper for the University of Malaya, after presenting at a conference (ISSN: 2180-2122)
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65. Bak S., Blazewicz J, Pawlak G, Plaza M, Burke E.K. and Kendall G. (2011) A Parallel Branch and Bound Approach to the Rectangular Guillotine Strip Cutting Problem, *INFORMS Journal on Computing*, 23 (1): 15-25, 2011
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67. Li, J; Hingston, P and Kendall, G (2011) Engineering Design of Strategies for Winning Iterated Prisoner's Dilemma Competitions. *IEEE Transactions on Computational Intelligence and AI in Games*, 3 (4): 348-360, 2011.

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74. Kendall G., Knust S., Ribeiro C. C. and Urrutia S. (2010) Scheduling in Sports: An Annotated Bibliography. *Computers & Operations Research*, 37: 1-19
75. Li J. and Kendall G. (2010) Collective behaviour and kin selection in evolutionary iterated Prisoners' Dilemma, *Journal of Multiple-Valued Logic and Soft Computing*, 16(6): 509-525
76. Yang S., Wang D., Chai T. and Kendall G. (2010) An Improved Constraint Satisfaction Adaptive Neural Network for Job-Shop Scheduling. *Journal of Scheduling*, 13(1):17-38

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77. Ayob M. and Kendall G. (2009) The Optimisation of the Single Surface Mount Device Placement Machine in Printed Circuit Board Assembly: A Survey. *International Journal of Systems Science*, 40(6): 553-569
78. Barteczko-Hibbert C., Gillott M. and Kendall G. (2009) An Artificial Neural Network for Predicting Domestic Hot Water Characteristics. *International Journal of Low-Carbon Technologies*, 4(2):112-119
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80. Burke E. K., Kendall G., and Whitwell G. (2009) A Simulated Annealing Enhancement of the Best-Fit Heuristic for the Orthogonal Stock Cutting Problem. *INFORMS Journal on Computing*, 21(3):505-516
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87. Kendall G. (2008) Scheduling English Football Fixtures Over Holiday Periods. *Journal of the Operational Research Society*, 59(6), 743-755
88. Kendall G., Parkes A. and Spoerer K. (2008) A Survey of NP-Complete Puzzles. *International Computer Games Association Journal*, 31(1), 13-34
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## 2006

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8. Louis S. and Kendall G. (editors). *Proceedings of IEEE Symposium on Computational Intelligence and Games*, 22-24 May 2006, Reno, Nevada, USA.
9. Kendall G., Lei L. and Pinedo M. (editors). *Proceedings of the MISTA 2005 (The 2nd Multidisciplinary International Conference on Scheduling : Theory and Applications) conference*, 18 - 21 July 2005, New York University, USA
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  15. Kendall G. et. al. Associate Editor of The 2002 International Conference on Machine Learning and Applications (ICMLA'02) 24 – 27 June 2002 Monte Carlo Resort, Las Vegas, Nevada, USA where I organised a special session entitled "Machine Learning for "Games" of Perfect and Imperfect Information". (Part of The 2002 International Multiconferences in Computer Science, Monte Carlo Resort, Las Vegas, Nevada, USA, 24 – 27 June 2002)

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68. Kendall G. and Mohd Hussin N. (2004) Tabu Search Hyper-heuristic Approach to the Examination Timetabling Problem at University Technology MARA. In proceedings of the 5th International Conference on the Practice and Theory of Automated Timetabling (PATAT 2004), Aug 18-2-2004, Pittsburgh, USA, pp 199-217.

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A previous version of this paper appeared in the conference proceedings: Bai R. and Kendall G. An Investigation of Automated Planograms Using a Simulated Annealing Based Hyper-heuristics. In proceedings of The Fifth Metaheuristics International Conference (MIC 2003), 23-25 August 2003, Kyoto International Conference Hall, Kyoto, Japan
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A previous version of this paper appeared in the conference proceedings; Kendall G. and Mohd Hussin N. An Investigation of a Tabu-Search-Based Hyper-heuristic for Examination Timetabling, *Proceedings of the 1st Multidisciplinary International Conference on Scheduling: Theory and Applications (MISTA 2003)*, 13-16 Aug 2003, Nottingham, 226-233

## 2004

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## 2003

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- Note: The DOI link gives the page numbers as 269-287, the PDF show the page numbers as 1-10. We assume the DOI citation is correct (i.e. pages 269-287)
114. Burke E., Gustafson S. and Kendall G. (2002) A Puzzle to Challenge Genetic Programming. In LNCS 2278, Genetic Programming, 5th European Conference, EuroGP, Kinsale, Ireland, April 3-4, 2002, (eds : Foster J, Lotton E, Liller J, Ryan C, Tettamanzi A), pp 136-147, Springer-Verlag, ISSN 0302-9743, ISBN 3-540-43378-3
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## 2001

115. Kendall G. and Willdig M. (2001) An Investigation of an Adaptive Poker player. In proceedings of the 14th Australian Joint Conference on Artificial Intelligence (AI'01), Adelaide, Australia, 10 - 14 December 2001, LNAI 2256, pp217-229, Springer-Verlag, ISBN 2-540-42960-3
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116. Cowling P., Kendall G. and Soubeiga E. (2001) A Parameter-Free Hyperheuristic for Scheduling a Sales Summit. In proceedings of 4th Metahuristics International Conference (MIC 2001), Porto Portugal, 16-20 July 2001, pp 127-131
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121. Cowling P., Kendall G. and Soubeiga E. (2000) A Hyperheuristic Approach to Scheduling a Sales Summit. In LNCS 2079, Practice and Theory of Automated Timetabling III : Third International Conference, PATAT 2000, Konstanz, Germany, August 2000, selected

## 1999

122. Burke E. and Kendall G. (1999) Evaluation of Two Dimensional Bin Packing Problem using the No Fit Polygon, Proceedings of the 26th International Conference on Computers and Industrial Engineering, Melbourne, Australia, 15-17 December 1999, pp 286-291
123. Burke E. and Kendall G. (1999) Applying Ant Algorithms and the No Fit Polygon to the Nesting Problem, Proceedings of 12th Australian Joint Conference on Artificial Intelligence, Sydney, Australia, 6-10 December 1999, Lecture Notes in Artificial Intelligence (1747), Foo, N. (Ed), pp 453-464, ISBN : 3-540-66822-5
124. Burke E. and Kendall G. (1999) Applying Simulated Annealing and the No Fit Polygon to the Nesting Problem, Proceedings of WMC '99 : World Manufacturing Congress, Durham, UK, 27-30 September, 1999, pp 70-76, ISBN : 3-906454-19-3
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## Refereed Extended Abstracts

1. Bai R. and Kendall G. (2010) Tabu assisted guided local search approaches for freight service network design. In proceedings of the 8th International Conference on the Practice and Theory of Automated Timetabling (PATAT 2010), 11-13 August 2010, Queen's University, Belfast, UK, pp 468-471
2. Hayati Abdul Hamid N., Mohamed Ramli N., Kendall G. and Mohd Hussin N (2010) A Weighted-Goal-Score Approach to Measure Match Importance in the Malaysian Super League. In proceedings of the 8th International Conference on the Practice and Theory of Automated Timetabling (PATAT 2010), 11-13 August 2010, Queen's University, Belfast, UK, pp 502-506
3. Burke E.K., Curtois T., Hyde M., Kendall G., Ochoa G., Petrovic S. and Vazquez-Rodriguez J.A. (2009) HyFlex: A Flexible Framework for the Design and Analysis of Hyper-heuristics. In proceedings of the 8th International Conference on the Practice and Theory of Automated Timetabling (PATAT 2010), 11-13 August 2010, Queen's University, Belfast, UK, pp 790-797
4. Bai R. and Kendall G. (2003) An Investigation of Automated Planograms Using a Simulated Annealing Based Hyper-heuristics. In proceedings of The Fifth Metaheuristics International Conference (MIC 2003), 23-25 August 2003, Kyoto International Conference Hall, Kyoto, Japan
5. Burke E., Kendall G. (2003) O'Brien R., Redrup D and Soubeiga E. An Ant-Algorithm Hyper-heuristic. In proceedings of The Fifth Metaheuristics International Conference (MIC 2003), 23-25 August 2003, Kyoto International Conference Hall, Kyoto, Japan

## Other Publications

As a freelance writer I have published over 400 magazine articles. A sample are shown below.

1. Kendall G. 1998. Survival of the Fittest - Genetic Algorithms. Freelance Informer, 23/01/98, p 74
2. Kendall G. 1998. Travels with my Agent - TSP Problem. Freelance Informer, 09/01/98, p 76
3. Kendall G. 1997. Round and Around - Recursion. Freelance Informer, 19/09/97, p 70
4. Kendall G. 1995. Instruct to Construct (C++). EXE, 04/95, p 35
5. Kendall G. 1996. Abstract Data Types - 1. Computing, 21/03/96, p 44

6. Kendall G. 1996. Abstract Data Types - 2. Computing, 28/03/96, p 41
7. Kendall G. 1996. Abstract Data Types - 3. Computing, 04/04/96, p 36
8. Kendall G. 1996. Project Management Made Simple. Computer Contractor, 10/05/96, p 35
9. Kendall G. 1996. The Big Squeeze - Data Compression. PC Pro, issue 22/96, p 190
10. Kendall G. 1996. The End is Nigh - Year 2000 Problem. Freelance Informer, 20/09/96, p 54
11. Kendall G. 1995. Designing Objects. Computing, 17/08/95, p 22
12. Kendall G. 1995. Object Based Versus Object Oriented. Computing, 31/08/95, p 40
13. Kendall G. 1995. Connecting a light bulb to the Internet. Computing, 09/11/95, p 47

## Citations

My work has been highly cited and is at the same level, or superior, to my peers.

Below, are details of three of the main citation indexes that are often used when looking at citations.

### **Web of Knowledge** (last updated 24 Nov 2017)

[Advanced search string: *AU="Kendall G." AND AD="Nottingham"*]

Citations: 2,708, h-index: 25

### **Scopus** (last updated 24 Nov 2017)

[Advanced search string: *(AU-ID("Kendall, Graham" 7006008493) OR AU-ID("Kendall, Graham" 56708211400) )]*

Citations: 4,421, h-index: 35

### **Google Scholar** (last updated 24 Nov 2017)

Citations: 11,260, h-index: 53

# Research Funding

## Principal Investigator (Malaysia)

**Title** : **MyMentor**  
 Funding Body : Ministry of Education  
 Date Advised Funding was Secured : Nov 2014  
 Project Start Date : Jan 2015  
 Length of Project : 6 years (end Dec 2021)  
 Grant Total : RM 6.5 millions  
 Involvement : Principal Investigator  
 Other Investigators : None

## Principal Investigator (UK)

**Title** : **An Investigation of Regulatory Decision Making by Automated Decision Makers**  
 Funding Body : EPSRC (Ref EP/ E017975 /1)  
 Date Advised Funding was Secured : Jun 2006  
 Project Start Date : Oct 2006  
 Length of Project : 3 years (ends Oct 2009)  
 Grant Total : £222,411  
 Involvement : Principal Investigator  
 Other Investigators : Pollard S. (Cranfield), Soane E. (LSE)

**Title** : **NETWORK: Interdisciplinary Cutting, Packing and Space Allocation**  
 Funding Body : EPSRC (Ref EP/D031079/1)  
 Date Advised Funding was Secured : Oct 2005  
 Project Start Date : Mar 2006  
 Length of Project : 3 year (ends Feb 2009)  
 Grant Total : £63,212  
 Involvement : Principal Investigator  
 Other Investigators : Burke E. K.

**Title** : **Symposium on Computational Intelligence & Games**  
 Funding Body : EPSRC (Ref EP/C546024/1)  
 Date Advised Funding was Secured : Apr 2005  
 Project Start Date : Jul 2005  
 Length of Project : 1 year (ends Jun 2006)  
 Grant Total : £3,880 (to Nottingham), £3,880 (to Essex)  
 Involvement : Principal Investigator  
 Other Investigators : Lucas S. (Essex, EP/C546016/1)

**Title** : **An Investigation of Cutting/Packing and Planning using Automated Algorithm Selection**  
 Funding Body : EPSRC (Ref GR/S52414/01)  
 Date Advised Funding was Secured : Aug 2003  
 Project Start Date : Feb 2004  
 Length of Project : 3 years (ends Feb 2007)  
 Grant Total : £153,670 (to Nottingham), £150,105 (to Southampton)  
 Involvement : Principal Investigator  
 Other Investigators : Burke E. K. (Nottingham) and Bennell J. (Southampton, GR/S52421/01)

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**Title** : **Prisoners Dilemma Competition: Celebrating the 20th Anniversary**  
 Funding Body : EPSRC (Ref GR/S63465/01)  
 Date Advised Funding was Secured : June 2003  
 Project Start Date : April 2004  
 Length of Project : 18 months (ends September 2005)  
 Grant Total : £11,848 (to Nottingham), £11,870 (to Birmingham)  
 Involvement : Principal Investigator  
 Other Investigators : Yao X. (University of Birmingham, GR/S63472/01)

**Title** : **Scheduling Agents for distributed timetabling and rostering - A Visiting Fellowship**  
 Funding Body : EPSRC (Ref GR/S53459)  
 Date Advised Funding was Secured : February 2003  
 Project Start Date : July 2003  
 Length of Project : 9 months (ends April 2004)  
 Grant Total : £10.350  
 Involvement : Principal Investigator

**Title** : **An Investigation Novel Methods for Optimising Shelf Space Allocation**  
 Funding Body : EPSRC (Ref GR/R60577)  
 Date Advised Funding was Secured : June 2001  
 Project Start Date : July 2002  
 Length of Project : 3 years (ends July 2005)  
 Grant Total : £62,947  
 Involvement : Principal Investigator

## Co-Investigator (UK)

**Title** : **Towards More Effective Computational Search**  
 Funding Body : EPSRC (Ref EP/H000968/1)  
 Amount Awarded : £1,001,333  
 Principal Investigator : E.K.Burke  
 Co-Investigators : G.Kendall, N.Krasnogor, A.Parkes, S.Petrovic, R.Qu, J.D.Landa Silva  
 Start Date : 22nd February 2010  
 End Date : 21st February 2015  
 Notes : This is a renewal of a previous platform award.

**Title** : **Towards More Effective Computational Search**  
 Funding Body : EPSRC (Ref EP/H000968/1)  
 Principal Investigator : Burke K. K.  
 Other Investigators : Kendall G., Krasnogor N., Landa-Silva J.D., Parkes A., Petrovic S. and Qu R.  
 Date Advised Funding was Secured : Jun 2009  
 Project Start Date : Sep 2009  
 Length of Project : 5 years (ends Aug 2014)  
 Grant Total : £1,011,159  
 Involvement : Co-Investigator

**Title** : **Next Generation Decision Support: Automating the Heuristic Design Process**  
 Funding Body : EPSRC (EP/D061571/1)  
 Principal Investigator : Burke K. K.  
 Co-Investigators : Kendall G., Qu R., Petrovic S., Garibaldi J., Krasnogor N., Landa-Silva J.D.  
 Date Advised Funding was Secured : May 2006  
 Project Start Date : Mar 2006  
 Length of Project : 5 years (ends Feb 2011)

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Grant Total : £2,663,528

**Title** : **An investigation of the role of Genetic Programming in a Hyper-Heuristic Framework**

Funding Body : EPSRC (EP/C523385/1)  
 Principal Investigator : Burke E. K.  
 Co-Investigators : Kendall G., Krasnagor N, Poli R. (Essex)  
 Date Advised Funding was Secured : May 2005  
 Project Start Date : Oct 2005  
 Length of Project : 3 years (ends Sep 2008)  
 Grant Total : £227,675 (Nottingham), £246,984 (Essex: EP/C523377/1)

**Title** : **Immersive Computing Games: A Visiting Fellowship**

Funding Body : EPSRC (EP/C546962/1)  
 Principal Investigator : Bai L.  
 Co-Investigators : Kendall G., Logan B. S.  
 Date Advised Funding was Secured : Jul 2005  
 Project Start Date : Sep 2005  
 Length of Project : 3 years (ends Aug 2008)  
 Grant Total : £14,374

**Title** : **Hyper-heuristics for Scheduling, Rostering and Routing: An International Collaboration: A Visiting fellowship (Prof. Michel Gendreau)**

Funding Body : EPSRC (EP/D027039/1)  
 Principal Investigator : Garibaldi J.  
 Co-Investigators : Burke E. K., Kendall G.  
 Date Advised Funding was Secured : May 2005  
 Project Start Date : May 2006  
 Length of Project : 5 years (ends May 2011)  
 Grant Total : £31,828

**Title** : **Adaptive Multi-Objective Heuristic and Meta-heuristic Approaches to Space Allocation**

Funding Body : EPSRC (GR/T26115/01)  
 Principal Investigator : Burke E. K.  
 Co-Investigators : Kendall G., Medjdoub B., Landa-Silva J. D.  
 Date Advised Funding was Secured : May 2005  
 Project Start Date : Apr 2005  
 Length of Project : 4 years (ends Apr 2009)  
 Grant Total : £205,378

**Title** : **DNA Mapping by Combinatorial Optimisation - A Visiting Fellowship (Prof. Jacek Blazewicz)**

Funding Body : EPSRC (GR/S64530/01)  
 Principal Investigator : Burke E. K.  
 Co-Investigators : Hirst J, Kendall G. and Krasnogor N.  
 Amount Awarded : £10,224  
 Date Advised Funding was Secured : Jul 2003  
 Project Start Date : Sep 2003  
 Length of Project : 3 years (ends May 2007)  
 Notes : This is a visiting fellowship to enable Prof Jacek Blazewicz to visit the research group for 3 visits over a three year period.

**Title** : **PLATFORM: Towards More General Optimisation/Search Systems**

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Funding Body : EPSRC (GR/S70197/01)  
Principal Investigator : Burke E. K.  
Co-Investigators : Petrovic S., Kendall G., Garibaldi J. M. and Krasnogor N.  
Date Advised Funding was Secured : Aug 2003  
Project Start Date : Feb 2004  
Length of Project : 5 years (ends Jan 2009)  
Grant Total : £422,908  
Recognised Researcher : Dowsland K. A.

**Title : Novel Metaheuristic Research Directions in Healthcare Personnel Rostering**

Funding Body : EPSRC (Ref GR/S31150/01)  
Principal Investigator (Nottingham) : Burke E. K.  
Co-Investigators : Petrovic S. and Kendall G.  
Date Advised Funding was Secured : Feb 2003  
Project Start Date : Oct 2003  
Length of Project : 3 years (ends Mar 2007)  
Grant Total : £298,081 (£191,581 from EPSRC) (ORTEC Consultants B.V. £81,000), Gower optimal Algorithms Ltd (£22,500) and KaHo St-Lieven (£3,000)

**Title : Fuzzy Multicriteria Approaches to Scheduling and Rescheduling Problems in Uncertain Environments**

Funding Body : EPSRC (Ref GR/R95319/01)  
Principal Investigator (Nottingham) : Petrovic S.  
Co-Investigators : Burke E.K. and Kendall G.  
Date Advised Funding was Secured : Jul 2002  
Project Start Date : Jan 2003  
Length of Project : 3 years (ends Feb 2006)  
Grant Total : £422,337 (£211,594 to Nottingham) (£210,743 to Coventry)  
Personnel working on Project : To be appointed  
Notes : This is a joint project between The University of Nottingham and Coventry University (GR/R95326, Dr D Petrovic)

**Title : INTERACT CHINA: A New Research Collaboration between The University of China and the Chinese Academy of Science**

Funding Body : EPSRC (GR/S73150/01)  
Principal Investigator : Bai L.  
Co-Investigators : Kendall G.  
Date Advised Funding was Secured : December 2003  
Project Start Date : 1st April 2004  
Length of Project : 3 months  
Grant Total : £5,924

**Title : A Hybrid Meta-heuristic Approach to Simplified Sequence-Structure-Function Problems**

Funding Body : BBSRC & EPSRC (Bio-informatics initiative) (Ref 42/BIO14458)  
Principal Investigator : Hirst J., Chemistry  
Co-Investigators : Burke E. K., Cowling P. I., Kendall G. and Petrovic S.  
Date Advised Funding was Secured : 1st December 2000  
Project Start Date : Jan 2001  
Length of Project : 3 years  
Grant Total : £134,844  
Personnel working on Project : Krasnogor N.

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Notes : This is a joint project between the School of Computer Science and IT and the School of Chemistry, Nottingham

**Title** : **An Investigation of Hyper-Heuristic Methods**  
 Funding Body : EPSRC (Ref GR/N36837/01)  
 Principal Investigator (Nottingham) : Burke E. K.  
 Co-Investigators (Nottingham) : Cowling P.I., Kendall G. and Petrovic S.  
 Principal Investigator (Napier) : Ross R.  
 Co-Investigator (Napier) : Hart E.  
 Date Advised Funding was Secured : Aug 2000  
 Project Start Date : Oct 2000  
 Length of Project : 3 years  
 Grant Total : £452,890 (£196,343 to Nottingham) (£256,547 to Napier)  
 Personnel working on Project : Newall J. (Post Doc Research Assistant) and David Redrup (PhD student)  
 Notes : This is a joint project between the University of Nottingham and Napier University

**Title** : **An Interdisciplinary Scheduling Network**  
 Funding Body : EPSRC (Ref GR/N35205)  
 Principal Investigator : Burke E. K.  
 Co-Investigators (Nottingham) : Cowling P. I., Kendall G. and Petrovic S.  
 Date Advised Funding was Secured : Jan 2001  
 Project Start Date : May 2001  
 Length of Project : 3 years  
 Grant Total : £62,985  
 Notes : This project had 14 initial partner universities from across the UK. We intend to increase that number as the project progresses

**Title** : **Scheduling Agents for Distributed Timetabling and Rostering - A Visiting Fellowship (Prof. Amnon Meisels)**  
 Funding Body : EPSRC (Ref GR/S53459/01)  
 Date Advised Funding was Secured : Jun 2003  
 Project Start Date : Jul 2003  
 Length of Project : 3 months (extended to June 2004)  
 Grant Total : £10,350  
 Involvement : Principal Investigator  
 Other Investigators : Burke E. K. and Petrovic S.

**Title** : **Tutorials in Optimisation and Search Methodology: A Workshop at the Interface of Artificial Intelligence and Operational Research**  
 Funding Bodies : EPSRC and the London Mathematical Society (LMS) under the Mathematics for IT (MathFIT) initiative.  
 Principal Investigator : Burke E. K.  
 Co-Investigators : Petrovic S. and Kendall G.  
 Co-Author : Landa Silva J. D.  
 Date Advised Funding was Secured : Feb 2003  
 Project Start Date : March 2003  
 Length of Project : 8 months  
 Grant Total : £5000  
 Notes : This grant is supporting the (INTROS) workshop.

**Title** : **A Dual Examination of Scheduling Problems - A Visiting Fellowship (Prof. M Dror)**

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Funding Body : EPSRC (Ref GR/S07124/01)  
 Principal Investigator : Petrovic S.  
 Co-Investigators : Burke E. K. and Kendall G.  
 Date Advised Funding was Secured : Jul 2002  
 Project Start Date : Jul 2002  
 Length of Project : 3 months  
 Grant Total : £7,800

**Title : Applying meta-heuristics and hyper-heuristics to stock cutting**

Funding Body : EPSRC and Esprit Automation Limited  
 Type of Award : CASE (Co-operative Awards in Science and Engineering) for New Academics (CNA 00802329)  
 Date Advised Funding was Secured : Sep 2000  
 Project Start Date : Oct 2000  
 Length of Project : 3 years  
 Grant Total : £42,120 (£28,920 from EPSRC) (£13,200 from Esprit)  
 Involvement : Principal Investigator  
 Personnel working on Project : Whitwell G. (PhD Student)

**Title : New Approaches to Produce Efficient Nesting Patterns**

Funding Body : Teaching Company Directorate (Department of Trade and Industry (DTI))  
 Type of Award : TCS Programme No 3047 between the University of Nottingham and Esprit Automation Limited  
 Date Advised Funding was Secured : Mar 2000  
 Project Start Date : Oct 2000  
 Length of Project : 3 years  
 Grant Total : £126,268 (£86,268 from DTI) (£40,400 from Esprit)  
 Involvement : Academic Supervisor  
 Personnel working on Project : Hellier R.

## Internal Funding (UK)

**Title : Develop Introduction to Artificial Intelligence Course (G5AIAI) as a Flexible Learning Course**

Funding Body : The University of Nottingham (Ref 00TL/208)  
 Date Advised Funding was Secured : 9th August 2001  
 Project Start Date : August 2001  
 Length of Project : 5 months  
 Grant Total : £1500  
 Involvement : Project Leader

**Title : Universitas 21**

In December 2001 I was awarded £1500 by Universitas 21 to develop research and teaching links with The University of Queensland in Australia.

**Title : International Teaching**

Each time I have been invited to teach in Konstanz (Germany) and Ghent (Belgium), the Socrates scheme has contributed to the costs, which has been to a level of about £400 each year.

**Title : Research Collaboration with EU Partners**

I have twice (2000 and 2001) visited the EU with the aim of developing research proposals with EU partners. On these occasions the international office has contributed to the cost by supplying £350 (total £700)

**Title** : **Develop Artificial Intelligence Methods (G5BAIM) and Operating Systems (G53OPS) as Flexible Learning Courses**  
 Funding Body : The University of Nottingham (Ref 01TL/229)  
 Date Advised Funding was Secured : 16th July 2002  
 Project Start Date : August 2002  
 Length of Project : 10 months  
 Grant Total : £3,689  
 Involvement : Project Leader

## Other Funding

**Title** : **Develop Collaborative Research Links with Edith Cowan University, Perth, Western Australia**  
**Funding Body** : **Edith Cowan University, Perth, Western Australia**  
 Date Advised Funding was Secured : Aug 2003  
 Project Start Date : Dec 2003  
 Length of Project : 2 weeks  
 Grant Total : \$2,495 (AUD)  
 Notes : Edith Cowan University awarded me a grant of \$2,495 (for internal flight, accommodation and subsistence) to visit their university to start developing a collaborative research relationship.

**Title** : **Commercialisation of Internationally Leading Cutting and Packing Technologies**  
 Funding Body : Nottingham Innovation and Regional Award (NIRA). NIRA is funded by HEFCE under the HEROBaC Transitional Fund (HIRF/084)  
 Date Advised Funding was Secured : Apr 2004  
 Project Start Date : Apr 2004  
 Grant Total : £6,000  
 Lead Award Holder : Burke E. K.  
 Other Award Holders : Kendall G. and Ford P.H.  
 Length of Project : 18 months.  
 Notes : This project supports the spin off of Aptia Solutions Ltd to commercially exploit new cutting/packing technologies in a range of industries.

**Title** : **Decision Support for the Textile and Leather Industries - A HEROBC Innovation and Regional Fellowship (HIRF)**  
 Funding Body : HIRF is funded by HEFCE under the HEROBC II Programme and the East Midlands Development Agency (EMDA) (HIRF/084)  
 Date Advised Funding was Secured : April 2004  
 Project Start Date : April 2004  
 Grant Total : £12,330  
 Lead Award Holder : Burke E. K.  
 Other Award Holders : Kendall G. and Ford P.H.  
 Length of Project : 18 months.  
 Notes : This project is concerned with taking to market the cutting/packing research of the ASAP group in the leather/textile industries. It will be conducted in

conjunction with the NIRA award (see above) and is supported by it.

## Editorial Roles

### Editor-in-Chief

1. IEEE Transactions on Computational Intelligence and AI in Games (2015 – present)

### Associate Editor

1. Associate Editor of Cognitive Neurodynamics (2005 – present)
2. Associate Editor of Computational Intelligence (2007 – present)
3. Associate Editor of IEEE Transactions on Evolutionary Computation (2009 – present)
4. Associate editor of INFOR: Information Systems and Operational Research (2004 – present)
5. Associate Editor of International Journal of Intelligent Computing and Cybernetics (2007 – present)
6. Associate Editor of the International Journal of Systems Science (2003 – present)
7. Associate Editor of the International Journal of Systems Science: Operations & Logistics (2014 – present)
8. Associate Editor of Journal of the Operational Research Society (2010 – present)
9. Associate Editor of Operations Research Perspective (2014 – present)
10. Associate Editor of PeerJ (2015 – present)

### Previous Associate Editorships

1. Associate Editor of IEEE Transactions on Computational Intelligence and AI in Games (2009 – 2015) (now EiC)
2. Associate Editor of Intelligent Systems in Accounting Finance and Management (2003 – 2009)

### Guest Editor

1. Hanzalek Z., Kendall G., McCollum B. and Sucha P. (editors). Guest editor of forthcoming issue of the Journal of Scheduling containing selected papers from MISTA 2015 (The 7th Multidisciplinary International Conference on Scheduling : Theory and Applications) conference, 25–28 August 2015, Prague, Czech Republic
2. Kendall G., McCollum B. and Vanden Berghe G. (editors). Guest editor of forthcoming issue of the Journal of Scheduling containing selected papers from MISTA 2013 (The 6th Multidisciplinary International Conference on Scheduling : Theory and Applications) conference, 27–30 August 2013, Ghent, Belgium
3. Fowler J., Kendall G. and McCollum B. (editors). Guest editor of a special issue of the Journal of Scheduling containing selected papers from the MISTA 2011 (The 5th Multidisciplinary International Conference on Scheduling : Theory and Applications) conference, 9–12 August 2011, Phoenix, Arizona, USA
4. Blazewicz J., Drozdowski M., Kendall G. and McCollum B. (editors). Guest editor of a special issue of the Journal of Scheduling containing selected papers from the MISTA 2009 (The 4th Multidisciplinary International Conference on Scheduling : Theory and Applications) conference, 10–12 August 2009, Dublin, Ireland
5. Baptiste P., Munier A., Kendall G. and Sourd F. (editors). Guest editor of a special issue of Journal of Scheduling containing selected papers from the MISTA 2007 (The 3rd Multidisciplinary International Conference on Scheduling : Theory and Applications) conference, 28–31 August 2007, Paris, France
6. Journal of Scheduling, Special Issue on MISTA Conference 2007 (Baptiste P., Kendall G., Munier A., and Sourd F. (eds)), Vol. 12(6), 2009 (see <http://www.springerlink.com/content/1094-6136/12/6/>). This issue contains 5 articles.

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7. Kendall G. and Schaeffer J. (editors). Guest special issue of the International Computer Games Association (ICGA) Journal on "Poker"
  8. Burke E. K., Kendall G., Tan K-C. and Smith S. (editors). Guest Co-editor of a special issue of Annals of Operations Research containing selected papers from the 2007 IEEE Symposium on Computational Intelligence in Scheduling, 1-5 April 2006, Hawaii, USA.
  9. Burke E. K., Daniels K. and Kendall G. (editors). Guest Co-editor of a special issue of Annals of Operations Research on Cutting, Packing and Layout containing selected papers from the Dagstuhl seminar (07112), 13-16 March 2007, Cutting, Packing and Space Allocation (see <http://www.dagstuhl.de/07112>).
  10. Annals of Operations Research, Special issue on Cutting, Packing and Space Allocation (Kendall G., Daniels K. and Burke E.K. (eds)), Vol. 179(1), 2010 (see <http://www.springerlink.com/content/0254-5330/179/1/>). This issue contains 20 articles.
  11. Kendall G., Lei L. and Pinedo M. (editors). Guest Co-editor of Annals of Operations Research (selected papers from the MISTA 2005 (The 2nd Multidisciplinary International Conference on Scheduling : Theory and Applications) conference, 18-21 July 2005, New York University, USA)
  12. Annals of Operations Research, Special Issue on Multidisciplinary Scheduling: Theory and Applications (MISTA) (Kendall G., Lei L. and Pinedo M. (eds)), Vol. 159(1), 2008 (see <http://www.springerlink.com/content/0254-5330/159/1/>). This issue contains 27 articles.
  13. Binner J., Kendall G. and Chen S-H (editors) Guest Co-editor of Advances in Econometrics, vol. 19, 2004 (Applications of AI in Finance & Economics)

## Program Committees and Advisory Boards

1. 2016 IEEE Conference on Computational Intelligence and Games, (CIG 2016), 20 - 23 Sep 2016, Santorini, Greece
2. Second International Workshop on Machine learning, Optimization and big Data, (MOD 2016), 26 - 29 Aug 2016, Volterra, Tuscany, Italy
3. 11th International Conference on the Practice and Theory of Automated Timetabling, (PATAT 2016), 23 - 26 Aug 2016, Udine, Italy
4. 3rd International Multi-Conference on Artificial Intelligence Technology, (M-CAIT 2016), 23-24 Aug 2016, Malacca, Malaysia
5. 13th International Conference on Informatics in Control (Automation and Robotics), (ICINCO 2016), 29-31 July 2016, Lisbon, Portugal
6. 2016 IEEE Congress on Evolutionary Computation, (CEC 2016), 25-29 July 2016, Vancouver, Canada  
I was a plenary speaker at this conference
7. 9th International Conference on Computers and Games, (CG 2016), 29 Jun - 01 Jul 2016, Leiden, Netherlands
8. 10th International Workshop on Hybrid Metaheuristics, (HM 2016), 8-10 June 2016, Plymouth, United Kingdom
9. 5th International Conference on Informatics, Electronics and Vision, (ICIEW 2016), 13-14 May 2016, Dhaka, Bangladesh
10. 19th European Conference on Genetic Programming, (EuroGP 2016), 30 Mar - 01 Apr 2016, Porto, Portugal
11. European Conference on the Applications of Evolutionary Computation, (EvoCOMNET 2016), 30 Mar - 01 Apr 2016, Porto, Portugal
12. Evolutionary and Bio-Inspired Computational Techniques within Real-World Industrial and Commercial Environments, (EvoINDUSTRY 2016), 30 Mar - 01 Apr 2016, Porto, Portugal
13. 16th European Conference on Evolutionary Computation in Combinatorial Optimization, (EvoCOP 2016), 30 Mar - 01 Apr 2016, Porto, Portugal

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14. 8th International Conference on Agents and Artificial Intelligence, (ICAART 2016), 24-26 Feb 2016, Rome, Italy
  15. 7th Computer Science and Electronic Engineering Conference, (CEEC 2015), 24 - 25 Sep 2015, Colchester, UK
  16. 2015 IEEE Conference on Computational Intelligence and Games, (CIG 2015), 31 Aug - 02 Sep 2015, Tainan, Taiwan
  17. 7th Multidisciplinary International Conference on Scheduling : Theory and Applications, (MISTA 2015), 25-28 Aug 2015, Prague, Czech Republic  
I am the program chair for this conference series.
  18. 2015 International Conference on Computing and Informatics, (ICOCI 2015), 11-13 Aug 2015, Istanbul, Turkey  
I was on the advisory board of this conference
  19. 12th International Conference on Informatics in Control (Automation and Robotics), (ICINCO 2015), 21-23 July 2015, Colmar, Alsace, France
  20. International Symposium on Scheduling 2015, (ISS 2015), 4 - 6 Jul 2015, Kobe, Hyogo, Japan
  21. 14th International Conference on Advances in Computer Games, (ACG2015), 01-03 July 2015, Leiden, The Netherlands
  22. 11th Metaheuristics International Conference, (MIC 2015), 7 - 10 Jun 2015, Agadir, Morocco
  23. 5th International Conference on Cognitive Neurodynamics, (ICCN 2015), 6 - 10 June 2015, Sanya, China
  24. 2015 IEEE Congress on Evolutionary Computation, (CEC 2015), 25-28 May 2015, Sendai, Japan
  25. 15th European Conference on Evolutionary Computation in Combinatorial Optimization, (EvoCOP 2015), 8 - 10 Apr 2015, Copenhagen, Denmark
  26. 18th European Conference on Genetic Programming, (EuroGP 2015), 8 - 11 Apr 2015, Copenhagen, Denmark
  27. Application of Nature-inspired Techniques for Communication Networks and other Parallel and Distributed Systems, (EvoCOMNET 2015), 8 - 10 Apr 2015, Copenhagen, Denmark
  28. Evolutionary and Bio-Inspired Computational Techniques within Real-World Industrial and Commercial Environments, (EvoINDUSTRY 2015), 8 - 10 Apr 2015, Copenhagen, Denmark
  29. 7th International Conference on Agents and Artificial Intelligence, (ICAART 2015), 10 - 12 Jan 2015, Lisbon, Portugal
  30. 2014 IEEE Symposium Series on Computational Intelligence, (SSCI 2014), 9 - 12 Dec 2014, Orlando, Florida
  31. International Conference on Computational Intelligence in Data mining, (ICCIDM 2014), 20-21 Dec 2014, Burla, Odisha, India
  32. 2014 IEEE Symposium Series on Computational Intelligence, (SSCI 2014), 9 - 12 Dec 2014, Orlando, Florida
  33. International Conference on Entertainment Computing, (ICEC 2014), 1-3 Oct 2014, Sydney, Australia
  34. 13th International Conference on Parallel Problem Solving From Nature, (PPSN 2013), 13 - 17 Sep 2014, Ljubljana, Slovenia
  35. 11th International Conference on Informatics in Control (Automation and Robotics), (ICINCO 2014), 1 - 3 Sep 2014, Vienna, Austria
  36. 10th International Conference on the Practice and Theory of Automated Timetabling, (PATAT 2014), 26 - 29 Aug 2014, York, UK
  37. 2014 IEEE Conference on Computational Intelligence and Games, (CIG 2014), 26 - 29 Aug 2014, Dortmund, Germany
  38. Genetic and Evolutionary Computation Conference, (GECCO 2014), 12 - 16 Jul 2014, Vancouver, Canada
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39. As well being on the general Program Committee I was also invited be part of Real World Applications Track
  40. 2014 IEEE Congress on Evolutionary Computation, (CEC 2014), 6-11 July 2014, Beijing, China
  41. Laboratory for Research in Artificial Intelligence. LRIA Science Days, (LRIASD 2014), 20 - 21 May 2014, Algiers, Algeria
  42. 14th European Conference on Evolutionary Computation in Combinatorial Optimization, (EvoCOP 2014), 23 - 25 Apr 2014, Baeza, Spain
  43. 17th European Conference on Genetic Programming, (EuroGP 2014), 23 - 25 Apr 2014, Granada, Spain
  44. 6th International Conference on Agents and Artificial Intelligence, (ICAART 2014), 6 - 8 Mar 2014, Angers, Loire Valley, France  
The 14th International Conference on Intelligent Data Engineering and Automated Learning, (IDEAL'2013), 20-23 Oct 2013, Hefei, Anhui, China
  45. 13th Annual Workshop on Computational Intelligence, (UKCI 2013), 9 - 11 Sep 2013, Guildford, UK
  46. International Multi-Conference on Artificial Intelligence Technology, (M-CAIT 2013), 28-29 Aug 2013, Shah Alam, Malaysia
  47. Intelligent Computation on Pattern Analysis and Robotics, (ICPAIR 2013), 28-29 Aug 2013, Kuala Lumpur, Malaysia
  48. 6th Multidisciplinary International Conference on Scheduling : Theory and Applications, (MISTA 2013), 27-30 Aug 2013, Gent, Belgium  
I am the program chair for this conference series.
  49. 8th International Conference on Computers and Games, (CG 2013), 13 - 15 Aug 2013, Yokohama, Japan
  50. 5th World Congress on Nature and Biologically Inspired Computing, (NaBIC 2013), 12-14 Aug 2013, Fargo, North Dakota, USA  
2013 IEEE Conference on Computational Intelligence and Games, (CIG 2013), 11 - 13 Aug 2013, Niagara Falls, Canada  
I was one of the conference chairs of this conference
  51. 10th Metaheuristics International Conference, (MIC 2013), 5 - 8 Aug 2013, Singapore
  52. Genetic and Evolutionary Computation Conference, (GECCO 2013), 6 - 10 Jul 2013, Amsterdam, The Netherlands
  53. 2013 IEEE Congress on Evolutionary Computation, (CEC 2013), 20-23 June 2013, Cancun, Mexico
  54. 2013 IEEE Symposium on Computational Intelligence in Scheduling, (CISched 2013), 16 - 19 Apr 2013, Singapore, Singapore
  55. 2013 IEEE Symposium Series on Computational Intelligence, (SSCI 2013), 15 - 19 Apr 2013, Singapore, Singapore
  56. 16th European Conference on Genetic Programming, (EuroGP 2013), 3 - 5 Apr 2013, Vienna, Austria
  57. 13th European Conference on Evolutionary Computation in Combinatorial Optimization, (EvoCOP 2013), 3 - 5 Apr 2013, Vienna, Austria
  58. 30th Workshop of the UK Planning and Scheduling Special Interest Group, (PlanSIG 2012), 13 - 14 Dec 2012, Teeside, Middlesbrough, UK
  59. 2012 IEEE Conference on Computational Intelligence and Games, (CIG 2012), 11 - 14 Sep 2012, Granada, Spain
  60. The 2nd International Workshop on Computer Game and its Applications, (ComGame 2012), 6-8 Sep 2012, Gwangju, Korea  
This conference was held in conjunction with The 7th International Conference on Embedded and Multimedia Computing (EMC-12)
  61. 12th Annual Workshop on Computational Intelligence, (UKCI 2012), 5 - 7 Sep 2012, Edinburgh, UK
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- 62. 12th International Conference on Parallel Problem Solving From Nature, (PPSN 2012), 1 - 5 Sep 2012, Taormina, Italy
  - 63. Genetic and Evolutionary Computation Conference, (GECCO 2012), 7 - 11 Jul 2012, Philadelphia, USA  
As well being on the general Program Committee I was also invited be part of Real World Applications Track
  - 64. 2012 IEEE Congress on Evolutionary Computation, (CEC 2012), 10 - 15 June 2012, Brisbane, Australia
  - 65. 12th European Conference on Evolutionary Computation in Combinatorial Optimization, (EvoCOP 2012), 11 - 13 Apr 2012, Malaga, Spain  
Nature Inspired Cooperative Strategies for Optimization, (NICSO 2011), 20-22 Oct 2011, Cluj Napoca, Romania
  - 66. Advances in Computer Games 13 Conference, (ACG13), 20-22 Nov 2011, Tilburg, The Netherlands
  - 67. Nature Inspired Cooperative Strategies for Optimization, (NICSO 2011), 20-22 Oct 2011, Cluj Napoca, Romania
  - 68. The 11th UK Workshop on Computational Intelligence (UKCI 2011), Sep 2011, Manchester, UK
  - 69. 5th Multidisciplinary International Conference on Scheduling : Theory and Applications, (MISTA 2011), 9 - 12 Aug 2011, Arizona, USA  
I am the program chair for this conference series.
  - 70. 9th Metaheuristics International Conference, (MIC 2011), 25 - 28 Jul 2011, Udine, Italy
  - 71. Genetic and Evolutionary Computation Conference, (GECCO 2011), 12 - 16 Jul 2011, Dublin, Ireland
  - 72. International Symposium on Scheduling 2011, (ISS 2011), 2 - 4 Jul 2011, Osaka, Japan
  - 73. International Conference on Pattern Analysis and Intelligent Robotics, (ICPAIR 2011), 28 - 29 Jun 2011, Putrajaya, Malaysia
  - 74. 3rd Conference on Data Mining and Optimization (DMO'11), 28 - 29 Jun 2011, Bangi, Malaysia  
I am one of the co-chairs for this conference and also sit on the International Advisory Board
  - 75. 2011 IEEE Congress on Evolutionary Computation, (CEC 2011), 5 - 8 Jun 2011, New Orleans, USA  
I was one of the plenary chairs of this conference
  - 76. 14th European Conference on Genetic Programming, (EuroGP 2011), 27 - 29 Apr 2011, Turin, Italy
  - 77. 11th European Conference on Evolutionary Computation in Combinatorial Optimization, (EvoCOP 2011), 27 - 29 Apr 2011, Turin, Italy
  - 78. 2011 IEEE Symposium on Computational Intelligence in Scheduling, (CISched 2011), 11 - 15 Apr 2011, Paris, France
  - 79. 2011 IEEE Symposium on Computational Intelligence in Industry, (CII 2011), 11 - 15 Apr 2011, Paris, France
  - 80. MultiConferenceEngineers and Computer Scientists 2011, (IMECS 2011), 16 - 18 Mar 2011, Hong Kong
  - 81. 7th International Conference on Computers and Games, (CG 2010), 24 - 26 Sep 2010, Kanazawa, Japan
  - 82. 10th International Conference on Parallel Problem Solving From Nature, (PPSN 2010), 11 - 15 Sep 2010, Krakow, Poland
  - 83. Workshop on Self-tuning, self-configuring and self-generating search heuristics, (Self\* 2010), 11 - 15 Sep 2010, Krakow, Poland. Held in conjunction with the 11th International Conference on Parallel Problem Solving From Nature (PPSN 2010)
  - 84. 2010 UK Workshop on Computational Intelligence, (UKCI 2010), 8 - 10 Sep 2010, Essex, UK
  - 85. IEEE Symposium on Computational Intelligence and Games, (CIG 2010), 18 - 21 Aug 2010, Copenhagen, Denmark
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86. 8th International Conference on the Practice and Theory of Automated Timetabling, (PATAT 2010), 10 - 13 Aug 2010, Belfast, Ireland  
I was one of the plenary speakers at this conference (Talk Title: Scheduling Football (Soccer) Fixtures: Progress Made to Date and Future Challenges)
  87. 2010 IEEE Congress on Evolutionary Computation, (CEC 2010), 18 - 23 Jul 2010, Barcelona, Spain. This congress was part of the 2010 IEEE World Congress on Computational Intelligence (WCCI 2010)
  88. 2010 IEEE World Congress on Computational Intelligence, (WCCI 2010), 18 - 23 Jul 2010, Barcelona, Spain. I was on the program committee of the Special session on Hybrid Evolutionary Algorithms, Hyper-Heuristics and Memetic Computation
  89. Genetic and Evolutionary Computation Conference, (GECCO 2010), 7 - 11 Jul 2010, Portland, USA
  90. 23rd International FLAIRS Conference, (FLAIRS 2010), 15 - 17 May 2010, Coconut Grove, Florida, USA. I was on the program committee of the Special track on AI Planning and Scheduling
  91. IV International Workshop on Nature Inspired Cooperative Strategies for Optimization, (NICSO 2010), 12 - 14 May 2010, Granada, Spain
  92. 10th European Conference on Evolutionary Computation in Combinatorial Optimization, (EvoCOP 2010), 7 - 9 Apr 2010, Istanbul, Turkey
  93. 13th European Conference on Genetic Programming, (EuroGP 2010), 7 - 9 Apr 2010, Istanbul Technical University, Istanbul, Turkey
  94. 7th European Event on the Application Nature-inspired Techniques for Telecommunication Networks and other Parallel and Distributed Systems, (EvoCOMNET 2010), 7 - 9 Apr 2010, Istanbul Technical University, Istanbul, Turkey
  95. 8th International Conference on Computer Information Systems and Industrial Management Applications, (CISIM 2009), 9 - 11 - Dec 2009, Coimbatore, India
  96. International Conference on Soft Computing and Pattern Recognition, (SoCPar 2009), 4 - 11 Dec 2009, Malacca, Malaysia
  97. 2nd International Conference on Cognitive Neurodynamics, (ICCN 2009), 15 - 19 Nov 2009, Zhejiang University, Hangzhou, China
  98. 3rd International Conference on Advanced Engineering Computing and Applications in Sciences, (ADVCOMP 2009), 11 - 16 Oct 2009, Sliema, Malta
  99. IEEE Symposium on Computational Intelligence and Games, (CIG 2009), 7 - 10 Sep 2009, Milano, Italy
  100. 2009 UK Workshop on Computational Intelligence, (UKCI 2009), 7 - 9 Sep 2009, University of Nottingham, Nottingham, UK
  101. 4th Multidisciplinary International Conference on Scheduling : Theory and Applications, (MISTA 2009), 10 - 12 Aug 2009, Dublin, Ireland  
I am the program chair for this conference series.
  102. VIII Metaheuristic International Conference, (MIC 2009), 13 - 16 Jul 2009, Hamburg, Germany
  103. Genetic and Evolutionary Computation Conference, (GECCO 2009), 8 - 12 Jul 2009, Montreal, Canada
  104. International Symposium on Scheduling 2009, (ISS 2009), 4 - 6 Jul 2009, Gokiso-cho, Showa-ku, Nagoya, Aichi, Japan
  105. 6th International Conference on Informatics in Control (Automation and Robotics), (ICINCO 2009), 2 - 5 Jul 2009, Milan, Italy
  106. 22nd International FLAIRS Conference, (FLAIRS 2009), 19 - 21 May 2009, Sanibel Island, Florida, USA. I was on the program committee of the Special Track on Artificial Intelligence Planning and Scheduling
  107. 2009 IEEE Congress on Evolutionary Computation, (CEC 2009), 18 - 21 May 2009, Trondheim, Norway
  108. 12th Advances in Computer Chess Conference, (ACCC 2009), 11 - 13 May 2009, Pamplona, Spain
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109. 9th European Conference on Evolutionary Computation in Combinatorial Optimization, (EvoCOP 2009), 15 - 17 April 2009, Tübingen, Germany
  110. 12th European Conference on Genetic Programming, (EuroGP 2009), 15 - 17 April 2009, Tübingen, Germany
  111. 2009 IEEE Symposium on Computational Intelligence in Scheduling, (CISched 2009), 30 Mar - 2 Apr 2009, Nashville, USA
  112. 24th Annual ACM Symposium on Applied Computing, (SAC 2009), 8 - 12 Mar 2009, Hawaii, USA
  113. 2nd International Conference on Advances in Computer-Human Interactions, (ACHI 2009), 1 - 6 Feb 2009, Cancun, Mexico
  114. International Conference on Agents and Artificial Intelligence, (ICAART 2009), 19 - 21 Jan 2009, Porto, Portugal
  115. IEEE Symposium on Computational Intelligence and Games, (CIG 2008), 15 - 18 Dec 2008, Perth, Western Australia, Australia
  116. 7th International Conference on Machine Learning and Applications, (ICMLA 2008), 11 - 13 Dec 2008, San Diego, California, USA
  117. 8th International Conference on Intelligent Systems Design and Applications, (ISDA 2008), 26 - 28 Nov 2008, Kaohsiung, Taiwan
  118. 5th International Conference on Soft as Transdisciplinary Science and Technology, (CSTST 2008), 26 - 28 Oct 2008, France
  119. 2nd International Conference on Advanced Engineering Computing and Applications in Sciences, (ADVCOMP 2008), 29 Sep - 4 Oct 2008, Valencia, Spain
  120. 6th International Conference on Computers and Games, (CG 2008), 29 Sep - 1 Oct 2008, Beijing, China
  121. International Conference on Automated Planning and Scheduling, (ICAPS 2008), 14 - 18 Sep 2008, Sydney, Australia. I was a member of the Doctoral Consortium Committee
  122. 10th International Conference on Parallel Problem Solving From Nature, (PPSN 2008), 13 - 17 Sep 2008, Dortmund, Germany
  123. 4th International Conference on Natural Computation, (ICNC 2008), 25 - 27 Aug 2008, Jinan, China
  124. Genetic and Evolutionary Computation Conference, (GECCO 2008), 12 - 16 Jul 2008, Atlanta, Georgia, USA
  125. International Conference on Artificial Intelligence and Pattern Recognition, (AIPR 2008), 7 - 10 Jul 2008, Orlando, Florida, USA
  126. IEEE International Conference on Cybernetics and Intelligent Systems, (CIS 2008), 3 - 6 Jun 2008, Chengdu, China
  127. 2008 IEEE Congress on Evolutionary Computation, (CEC 2008), 1 - 6 Jun 2008, Hong Kong
  128. 21st Florida Artificial Intelligence Research Society, (FLAIRS 2008), 15 - 17 May 2008, Coconut Grove, Florida, USA
  129. 5th International Conference on Informatics in Control (Automation and Robotics), (ICINCO 2008), 11 - 15 May 2008, Funchal, Madeira, Portugal
  130. European Symposium on Artificial Neural Networks (Advances in Computational Intelligence and Learning), (ESANN 2008), 23 - 25 Apr 2008, Bruges, Belgium
  131. 11th European Conference on Genetic Programming, (EuroGP 2008), 26 - 28 Mar 2008, Napoli, Italy
  132. 8th European Conference on Evolutionary Computation in Combinatorial Optimisation, (EvoCOP 2008), 26 - 28 Mar 2008, Napoli, Italy
  133. 23rd Annual ACM Symposium on Applied Computing, (SAC 2008), 16 - 20 Mar 2008, Fortaleza, Ceara, Brazil
  134. 1st International Conference on Advances in Computer-Human Interaction, (ACHI 2008), 10 - 15 Feb 2008, St. Luce, Martinique
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135. 26th Workshop of the UK Planning and Scheduling Special Interest Group, (PlanSIG 2007), 17 - 18 Dec 2007, Prague, Czech Republic
136. 3rd Indian International Conference on Artificial Intelligence, (IICAI 2007), 17 - 19 Dec 2007, Pune, India
137. 6th International Conference on Machine Learning and Applications, (ICMLA 2007), 13 - 15 Dec 2007, Cincinnati, Ohio, USA
138. 1st International Conference on Cognitive Neurodynamics, (ICCN 2007), 17 - 21 Nov 2007, Shanghai, China
139. CAEPIA 2007 Workshop on Planning (Scheduling and Constraint Satisfaction), (CAEPIA 2007), 13 Nov 2007, Salamanca, Spain
140. 1st International Conference on Advanced Engineering Computing and Applications in Sciences, (ADVCOMP 2007), 4 - 9 Nov 2007, Papeete, French Polynesia, Tahiti
141. 7th International Conference on Intelligent System Design and Applications, (ISDA 2007), 1 - 3 Oct 2007, Rio de Janeiro, Brazil
142. 2007 IEEE Congress on Evolutionary Computation, (CEC 2007), 25 - 28 Sep 2007, Singapore  
I was one of the six Technical Program Chairs for this conference
143. International Conference on Automated Planning and Scheduling, (ICAPS 2007), 22 - 26 Sep 2007, Providence, Rhode Island, USA
144. 3rd Multidisciplinary International Conference on Scheduling : Theory and Applications, (MISTA 2007), 28 - 31 Aug 2007, Paris, France  
I am the program chair for this conference series.
145. 3rd International Conference on Natural Computation, (ICNC 2007), 24 - 27 Aug 2007, Haikou, China
146. 22nd National Conference on Artificial Intelligence, (AAAI 2007), 22 - 26 Jul 2007, Vancouver, British Columbia, Canada
147. 2007 International Conference on Artificial Intelligence and Pattern Recognition, (AIPR 2007), 9 - 12 Jul 2007, Orlando, Florida, USA
148. Genetic and Evolutionary Computation Conference 2007, (GECCO 2007), 7 - 11 Jul 2007, University College London, UK
149. 4th International Conference on Informatics in Control (Automation and Robotics), (ICINCO 2007), 9 - 12 May 2007, Angers, France
150. 7th European Conference on Evolutionary Computation in Combinatorial Optimisation, (EvoCOP 2007), 11 - 13 Apr 2007, Valencia, Spain
151. 10th European Conference on Genetic Programming, (EuroGP 2007), 11 - 13 Apr 2007, Valencia, Spain
152. IEEE 2007 Computational Intelligence in Scheduling Symposium, (CISched 2007), 1 - 5 Apr 2007, Honolulu, Hawaii, USA. The conference was held as part of the 2007 IEEE Symposium on Computational Intelligence (SSCI 2007)  
I was one of the co-chairs of this conference.
153. 2007 IEEE Symposium on Computational Intelligence and Games, (CIG 2007), 1 - 5 Apr 2007, Honolulu, Hawaii, USA. Held in Conjunction with 2007 IEEE Symposium on Computational Intelligence (SSCI 2007)
154. 2007 IEEE Conference on Artificial Life, (ALife 2007), 1 - 5 Apr 2007, Honolulu, Hawaii, USA. Held in Conjunction with 2007 IEEE Symposium on Computational Intelligence (SSCI 2007)
155. 5th International Conference on Machine Learning and Applications, (ICMLA 2006), 14 - 16 Dec 2006, Sheraton World Resort, Orlando, Florida, USA
156. 25th Workshop of the UK Planning and Scheduling Special Interest Group, (PlanSIG 2006), 14 - 16 Dec 2006, Nottingham, UK
157. 18th IEEE International Conference on Tools with Artificial Intelligent, (ICTAI 2006), 13 - 15 Dec 2006, Washington DC, USA
158. 19th Australian Joint Conference on Artificial Intelligence, (AI 2006), 4 - 8 Dec 2006, Hobart, Tasmania, Australia
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159. Nature Imitation Methods - Theory and Practice, (NIM 2006), 16 - 18 Oct 2006, Jinan, Shandong, China
  160. 6th International Conference on Simulated Evolution and Learning, (SEAL 2006), 15 - 18 Oct 2006, Hefei, China
  161. 2nd International Conference on Natural Computation, (ICNC 2006), 24 - 28 Sep 2006, Xidian, China
  162. 9th International Conference on Parallel Problem Solving From Nature, (PPSN 2006), 9 - 13 Sep 2006, Reykjavik, Iceland
  163. International Conference on Business and IT 2006, (BIZIT 2006), 8 - 10 Aug 2006, Universiti Teknologi MARA, Malaysia
  164. 3rd International Conference on Informatics in Control (Automation and Robotics), (ICINCO 2006), 1 - 3 Aug 2006, Setubal, Portugal
  165. International Symposium on Scheduling 2006, (ISS 2006), 18 - 20 Jul 2006, Tokyo, Japan
  166. 2006 IEEE Congress on Evolutionary Computation, (CEC 2006), 16 - 21 Jul 2006, Vancouver, British Columbia, Canada  
I was one of the six Technical Program Chairs for this conference
  167. 6th International Conference on Recent Advances in Soft Computing, (RASC 2006), 10 - 12 Jul 2006, Canterbury, UK
  168. Genetic and Evolutionary Computation Conference 2006, (GECCO 2006), 8 - 12 Jul 2006, Seattle, WA, USA
  169. 2006 IAENG International Workshop on Operations Research, (IWOR 2006), 20 - 22 Jun 2006, Hong Kong. This is part of the International Multi Conference Engineers and Computer Scientists 2006 (IMECS'06)
  170. 2006 IEEE International Conferences on Cybernetics & Intelligent Systems, (CIS 2006), 7 - 9 Jun 2006, Bangkok, Thailand
  171. International Conference on Automated Planning & Scheduling 2006, (ICAPS 2006), 6 - 10 Jun 2006, Ambleside, Cumbria, UK
  172. 5th International Conference on Computers and Games, (CG 2006), 29 - 31 May 2006, Turin, Italy
  173. IEEE Symposium on Computational Intelligence and Games, (CIG 2006), 22 - 24 May 2006, Reno, Nevada, USA  
I was also the co-chair (with Sushil Louis) of this conference
  174. 7th International Conference on Adaptive Computing in Design and Manufacture, (ACDM 2006), 25 - 27 Apr 2006, Clifton, Bristol, UK
  175. 9th European Conference on Genetic Programming, (EuroGP 2006), 10 - 12 Apr 2006, Budapest, Hungary
  176. 6th European Conference on Evolutionary Computation in Combinatorial Optimisation, (EvoCOP 2006), 10 - 12 Apr 2006, Budapest, Hungary
  177. 2nd Indian International Conference on Artificial Intelligence, (IICAI 2005), 20 - 22 Dec 2005, Pune, India
  178. International Conference on Machine Learning and Applications, (ICMLA 2005), 15 - 17 Dec 2005, Los Angeles, California, USA
  179. 18th Australian Joint Conference on Artificial Intelligence, (AI 2005), 5 - 9 Dec 2005, Sydney, Australia
  180. 2nd International Conference on Artificial Life, (ACAL 2005), 5 - 7 Dec 2005, Sydney, Australia
  181. 2005 ICSC Congress on Computational Intelligence Methods and Applications, (CIMA 2005), 2 - 14 Dec 2005, Istanbul, Turkey. Part of the first International ICSC Symposium on Advanced Computing in Financial Markets (ACFM 2005)
  182. 3rd Annual International Conference in Computer Game Design and Technology, (GDTW 2005), 8 - 9 Nov 2005, Liverpool, UK
  183. 1st International Conference on Natural Computation, (ICNC 2005), 27 - 29 Sep 2005, Changsha, China
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184. International Conference on Informatics in Control (Automation and Robotics), (ICINCO 2006), 14 - 17 Sep 2005, Barcelona, Spain
  185. International Computer Games Association Conference, (ICGA 2005), 3 - 9 Sep 2005, Taipei
  186. 2005 IEEE Congress on Evolutionary Computation, (CEC 2005), 2 - 5 Sep 2005, Edinburgh, Scotland, UK
  187. I also co-organised, with Sushil Louis, a special session at this conference entitled Evolutionary Computation and Games
  188. 6th Metaheuristics International Conference, (MIC 2005), 22 - 26 Aug 2005, Vienna, Austria
  189. 4th International Workshop on Computational Intelligence in Economics and Finance, (CIEF 2005), 21 - 26 Jul 2005, Salt Lake City, USA
  190. 2nd Multidisciplinary International Conference on Scheduling : Theory and Applications, (MISTA 2005), 18 - 21 Jul 2005, New York, USA  
I am the program chair for this conference series.
  191. Genetic and Evolutionary Computation Conference 2005, (GECCO 2005), 25 - 29 Jun 2005, Washington DC, USA
  192. International Digital Games Research Conference, (DiGRA 2005), 16 - 20 Jun 2005, Vancouver, British Columbia, Canada
  193. OR Practice in Africa, (ORPA 2005), 7 - 8 Apr 2005, Ouagadougou, Burkina Faso
  194. IEEE Symposium on Computational Intelligence and Games, (CIG 2005), 4 - 6 Apr 2005, Essex, UK  
I was also the co-chair (with Simon Lucas) of this conference
  195. 5th European Conference on Evolutionary Computation in Combinatorial Optimization, (EvoCOP 2005), 30 Mar - 1 Apr 2005, Lausanne, Switzerland
  196. 5th European Conference on Genetic Programming, (EuroGP 2005), 30 Mar - 1 Apr 2005, Lausanne, Switzerland
  197. 20th ACM Symposium on Applied Computing, (SAC 2005), 13 - 17 Mar 2005, Santa Fe, New Mexico, USA
  198. 5th International Conference in Soft Computing, (RASC 2004), 16 - 18 Dec 2004, Nottingham, UK
  199. 2004 International Conference on Machine Learning and Applications, (ICMLA 2004), 16 - 18 Dec 2004, Louisville, KY, USA
  200. 17th Australian Joint Conference on Artificial Intelligence, (AI 2004), 6 - 10 Dec 2004, Cairns, Australia
  201. 2nd Annual International Workshop in Computer Game Design and Technology, (CDGT 2004), 15 - 16 Nov 2004, Liverpool John Moores University, UK
  202. 2004 workshop on the Design and Evaluation of Advanced Hybrid Meta-Heuristics, (DEAHM 2004), 3 - 4 Nov 2004, Nottingham, UK
  203. 8th International Conference on Parallel Problem Solving from Nature, (PPSN 2004), 18 - 22 Sep 2004, Birmingham, UK
  204. 9th International Conference on Simulation and Synthesis Living Systems, (ALife 2004), 12 - 15 Sep 2004, Boston, USA
  205. 2004 IEEE Conference on Cybernetics and Intelligent Systems, (CIS 2004), 1 - 3 Sep 2004, Singapore
  206. International Conference on Knowledge Engineering and Decision Support, (ICKEDS 2004), 19 - 23 Jul 2004, Porto, Portugal
  207. 4th International Conference on Computers and Games, (CG 2004), 5 - 7 Jul 2004, Bar-Ilan University, Ramat-Gan, Israel
  208. Genetic and Evolutionary Computation Conference, (GECCO 2004), 26 - 30 Jun 2004, Seattle, Washington, USA
  209. 2004 IEEE Congress on Evolutionary Computation 2004, (CEC 2004), 19 - 23 Jun 2004, Portland, Oregon, USA
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- I also co-organised, with Simon Lucas, a special session at this conference entitled Evolutionary Computation and Games
210. Second International Symposium on Scheduling in Japan, (ISS 2004), 24 - 26 May 2004, Japan
211. 4th European Conference on Evolutionary Computation in Combinatorial Optimization, (EvoCOP 2004), 5 - 7 Apr 2004, Coimbra, Portugal
212. ACM Symposium on Applied Computing (Evolutionary Computing and Optimization (ECO) stream), (SAC 2004), 14 - 17 Mar 2004, Nicosia, Cyprus
213. 2003 IEEE Congress on Evolutionary Computation, (CEC 2003), 8 - 12 Dec 2003, Canberra, Australia
214. 1st Australian Conference on Artificial Life, (ACAL 2003), 6 - 7 Dec 2003, Canberra, Australia
215. 1st Multidisciplinary International Conference on Scheduling : Theory and Applications, (MISTA 2003), 13 - 16 Aug 2003, Nottingham, UK  
I am the program chair for this conference series.
216. Genetic and Evolutionary Computation Conference, (GECCO 2003), 12 - 16 Jul 2003, Chicago, USA  
I was the track chair of the co-evolution stream for this conference
217. International Conference on Artificial Intelligence, (ICAI 2003), 23 - 26 Jun 2003, Las Vegas, Nevada, USA  
I organised a special session at this conference entitled Applications of AI in Finance & Economics at this conference
218. 2003 International Conference on Machine Learning and Applications, (ICMLA 2003), 23 - 24 Jun 2003, Los Angeles, California, USA
219. I organised a special session at this conference entitled (Co-)Evolutionary Machine Learning
220. 4th International Conference on Recent Advances in Soft Computing, (RASC 2002), 12 - 13 Dec 2002, Nottingham Trent University, Nottingham, UK
221. 8th International Conference on the Simulation and Synthesis of Living Systems, (ALife 2002), 9 - 13 Dec 2002, University New South Wales, Sydney, New South Wales, Australia
222. 3rd International Workshop on Memetic Algorithms, (WOMA III), 7 Sep 2002, Granada, Spain. Held in conjunction with the 7th International Conference on Parallel Problem Solving from Nature (PPSN VII), 7-11 September 2002
223. 3rd International Conference on Computers and Games, (CG 2002), 24 - 27 Jul 2002, Edmonton, Canada
224. 2002 IEEE Congress on Evolutionary Computation, (CEC 2002), 12 - 17 May 2002, Hilton Hawaiian Village Hotel, Honolulu, Hawaii, USA  
I co-organised a special session on scheduling at this conference
225. 4th Metaheuristics International Conference, (MIC 2001), 16 - 20 Jul 2001, Porto, Portugal
226. International Conference on Artificial Intelligence, (ICAI 2001), 25 - 28 Jun 2001, Las Vegas, Nevada, USA
227. 2001 IEEE Congress on Evolutionary Computation, (CEC 2001), 27 - 29 May 2001, COEX Center, Seoul, Korea  
I co-organised a session on scheduling at this conference
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# Supervision

## Current PhD Supervision

1. Xiaoping Jiang: Vehicle Routing Based on Service Network Design, Started Sep 2014 (four year PhD as part of a Doctoral Training Centre)
2. Alexandra Patrascu, Thesis subject yet to be decided, Started Oct 2015
3. Goh Say Leng: Course Timetabling. Started Oct 2013

## MRes Supervision

1. Pai Chun Chen: Ant Algorithm Hyper-heuristic for Sports Scheduling. Started Sep 2005, Graduated 2007, Viva Date 20th Nov 2006

## Completed PhD Students

1. Saiful Izwan: Optimization of Frequency Assignment Utilizing Artificial Immune Systems, Started Oct 2009, Completed Nov 2015 (viva date Apr 2015)
2. Nasser R. Sabar: Timetabling, Started July 2010 (External co-supervisor for a student at Universiti Kebangsaan Malaysia)
3. Mashael Maashi: Started 2011, completed 2014 (viva date 22 Jan 2014)
4. Jacomine Grobler: A Population-based Hyper-heuristic for Improved Decision Support, Started June 2009 (External co-supervisor for a student at the University of Pretoria, South Africa).
5. Abdullah Muhammed: Real World Examination Timetabling, started July 2008
6. Mohd N Mohmad Kahar (Nizam): Case Study of Examination Timetabling, started September 2007
7. Zalilah Abd Aziz: Ant Algorithm Hyper-heuristics, Started February 2007
8. Nor Hayati Abdul Hamid (Yati): Maximisation of Crowds at Sports Venues. Started May 2007
9. Robert Hellier: Automated Algorithm Selection for Cutting and Packing, Started December 2002 (part time)
10. Sam Allen: Algorithms and data structures for three-dimensional packing, Started October 2007, Graduated July 2011, Viva Date 9th June 2011
11. Qiang Quo: Evolutionary algorithms for orthogonal packing problems. Started October 2006, Graduated December 2011, Viva Date 21st April 2011
12. Belal Ismail Khalil Al-Khateeb: Investigating evolutionary checkers by incorporating individual and social learning, N-tuple and a round robin tournament. Started October 2007, Graduated July 2011, Viva Date 19th April 2011
13. Douglas Moody: A Tiling Approach to Producing High Quality Solutions To Real World Timetabling Problems, Started June 2006 (External co-supervisor for a student at the New York City College of Technology, USA). Started June 2006, Graduated May 2011, Viva Date 15th December 2010
14. Robert Oates: The Suitability of the Dendritic Cell Algorithm for Robotic Security Applications. Started January 2006, Graduated July 2010, Viva Date 5th March 2010
15. Matthew Hyde: A Genetic Programming Hyper-Heuristic Approach to Automated Packing. Started September 2005, Graduated July 2010, Viva Date 8th December 2009
16. Christian Barteczko-Hibbert: An Artificial Neural Network Model for the Optimisation of Diverse Domestic Energy Systems. Started January 2005, Graduated July 2009, Viva Date 24th November 2008
17. Ben Moss: The Data Integrity Problem and Multi-Layered Document Integrity. Started September 2000, Graduated July 2008, Viva Date 28th November 2007



18. Nasreddine Hallam: State-of-The-Art Multi Objective Evolutionary Algorithms: Diversity Preservation and Archive Update Analysis, and Proposal of A New Evolutionary Algorithm. Started January 2004, Graduated January 2007, Viva Date 14th June 2006
19. Razali Yaakob: Integration of a Best Population Pool and Social Learning: An Investigation in Game Playing. Started July 2002, Graduated July 2008, Viva Date 7th March 2008
20. Kristian Spoerer: The Lemmings Puzzle: Computational Complexity of an Approach and Identification of Difficult Instances. Started September 2002, Graduated July 2007, Viva Date 23rd February 2007
21. Samih Tadrus: Generic Multi-Pheromone Quality of Service Routing. Started September 2000, Graduated July 2007, Viva Date 27th April 2007
22. Yan Su: An Investigation of Continuous Learning in Incomplete Environments. Started October 2001, Graduated July 2005, Viva Date 21st December 2004
23. Limin Han: An Investigation of a Genetic Algorithm Based Hyper-heuristic Applied to Scheduling Problems. Started October 2000, Graduated July 2005, Viva Date 14th September 2004
24. Naimah Mohd Hussin: Tabu Search Based Hyper-heuristic Approaches for Examination Timetabling. Started January 2001, Graduated July 2005, Viva Date 29th April 2005
25. Ruibin Bai: An Investigation of Novel Approaches for Optimising Retail Shelf Space Allocation. Started August 2002, Graduated July 2005, Viva Date 2nd November 2004
26. Masri Ayob: Optimisation of Surface Mount Device Placement Machine in Printed Circuit Board Assembly. Started September 2001, Graduated July 2005, Viva Date 17th March 2005
27. Glenn Whitwell: Novel Heuristic and Metaheuristic Approaches to Cutting and Packing. Started October 2000, Graduated July 2005, Viva Date 12th March 2004
28. Steven Gustafson: An Analysis of Diversity in Genetic Programming. Started January 2001, Graduated July 2004, Viva Date 15th February 2004
29. Eric Soubeiga: Development and Application of Hyper-heuristics to Personnel Scheduling. Started October 1999. Graduated July 2003, Viva Date 10th March 2003

## Invited Talks

I have been invited (both nationally and internationally) to give invited talks, the details of which are shown below.

1. Plenary Speaker at the 2016 IEEE Congress on Evolutionary Computation (CEC 2016), Vancouver, Canada, 25-29 July 2016. Title: Is evolutionary computing evolving fast enough? I received all my expenses for this talk (flight, accommodation and conference registration).  
<http://www.wcci2016.org/speakers.php>
2. Invited Talk at Network Week at Universiti Putra Malaysia (5 Nov 2015). Title: The need for Good Laboratory Practice (GLP) for Optimization Research
3. Keynote Talk at the 2015 IEEE Conference on Computational Intelligence and Games (CIG 2015), Tainan, Taiwan, 31 Aug – 02 Sep 2015. Title: Where games meet hyper-heuristics. I received all my expenses for this talk (flight, accommodation and conference registration).  
<http://cig2015.nctu.edu.tw/keynote-speaker>
4. Plenary Speaker at the 10th Triennial Conference of the Association of Asia-Pacific Operational Research (APORS 2015), Kuching, Sarawak, Malaysia, 02 – 06 Aug 2015. Title: Good Laboratory Practice for Operations Research. I received all my expenses for this talk (flight, accommodation and conference registration).  
<http://msorsm.org/apors2015/speakers/index.html>
5. Invited Talk at The Fifth International Conference on Knowledge Systems and Engineering (KSE 2013), Hanoi, Vietnam, 17-19 Oct 2014. My talk was entitled Evolutionary Computation in the Real World: Successes and Challenges. I received all my expenses for this talk (flight, accommodation and conference registration).
6. Invited Talk and Panel Member (for subsequent discussions) at the University of Malaya & Thomson Reuters Conference on Institutional Perspectives on Evidence-Based Research Evaluation, 5-6 July 2012. My talk was entitled Research Based Metrics: Right or Wrong? I received an honorarium for this talk.
7. Plenary presentation at The 4th Conference on Data Mining and Optimization, 2-4 Sep, 2012, Langkawi, Malaysia
8. Invited Talk: 28th February 2012. I was invited to give a talk at the British High Commission Innovation Workshop: UK Malaysia Innovation Forum: Commercialisation of Science Ideas. My talk was entitled Commercialisation of Research: Nottingham MyRIAD Solutions Sdn Bhd.
9. Invited Talk: 11th November 2011. I was invited to give a talk to the annual CIRG (Computational Intelligence Research Group) University of Pretoria, South Africa workshop. The talk I gave was entitled Hyper-heuristics: Past, Present and Future. All my expenses (flight and accommodation) were paid for this talk.
10. Invited Lecture: 10th November 2011. I was invited by IEEE Computational Intelligence Society (CIS) Chapter, South Africa in association with the Computation Intelligence Research Group (CIRG), University of Pretoria to give an invited lecture (for which all expenses were paid). The lecture was entitled Scheduling English Football Fixtures: Computing Approximate and Exact Solutions.
11. Invited seminar: 6th October 2011. I was invited by the Centre for Computational Intelligence, School of Computer Engineering, NTU & IEEE Singapore Computational Intelligence Chapter to give an invited seminar (for which I received a small honorarium). The seminar was entitled Evolving game playing agents and their inspiration for real world applications.
12. Plenary talk: 11th August 2010 at the 8th International Conference on the Practice and Theory of Automated Timetabling (PATAT 2010), 11-13 August 2010, Queen's University, Belfast, UK. Title: Scheduling Football (Soccer) Fixtures: Progress Made to Date and Future Challenges. Part of this talk is presented in the conference proceedings (Kendall G., McCollum B., Cruz F. and McMullan P. (2010) Scheduling English Football Fixtures: Consideration of Two Conflicting Objectives. In proceedings of the 8th International

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- Conference on the Practice and Theory of Automated Timetabling (PATAT 2010), 11-13 August 2010, Queen's University, Belfast, UK, pp 1-15). All of my expenses were paid (flight, accommodation and conference registration)
13. Invited keynote at World Congress on Evolutionary Computation (WCCI), 18th July 2010. Title: Hyper-heuristics: Past, Present and Future. This talk was part of the Systems to Build Systems workshop.
  14. Invited keynote speaker for the National Taught Course Centre in Operational Research, 16th April 2010. Title: Scheduling English Football Fixtures: Progress and Challenges
  15. Invited keynote speaker at the LANCS Workshop on Systems to Build Systems, 23rd November 2009. Title: Hyperheuristics: Past, Present and Future.
  16. Invited keynote speaker for the National Taught Course Centre in Operational Research, 4th April 2008. Title: Sports Scheduling: A Case Study
  17. Plenary talk 10th August 2006 at the International Conference on Business and IT 2006 (BIZIT'06), Universiti Teknologi MARA, Malaysia, 8-10 August 2006: Title: Collaborating with Industry: A UK Perspective.
  18. Invited talk 25th July 2011 at University of Nottingham, Malaysia Campus Alumni Event (hosted by the Vice Chancellor (Professor David Greenaway) and the Pro-Vice Chancellor for Internationalisation (Professor Christine Ennew). Title: Scheduling Football Fixtures: Progress Made to Date and Future Challenges.
  19. 10th December 2010: Invited Talk at Universiti Putra Malaysia: Scheduling English Football Fixtures over Holiday Periods
  20. 9th December 2010: Invited talk at Universiti Kebangsaan Malaysia, Malaysia: Research Trends and Directions
  21. January 26th 2010: Invited talk at Universiti Kebangsaan Malaysia, Malaysia: How to be an Effective Researcher
  22. April 30th 2009: Invited to talk to the East Midlands Operations Research Group: Balancing Conflicting Objectives for UK Football
  23. April 21st 2009: Invited talk at the University of Nottingham, Ningbo Campus, China: Balancing Conflicting Objectives for UK Football
  24. March 17th 2009: De Montfort University, Leicester, UK: Balancing Conflicting Objectives for UK Football
  25. January 20th 2009: An invited talk as part of the Postgraduate Certificate in Higher Education program at the University of Nottingham, Malaysia Campus: Balancing Conflicting Objectives for UK Football
  26. January 15th 2009: Universiti Kebangsaan Malaysia, Malaysia: Title: Hyper-heuristics: Potential Research Directions
  27. April 8th 2008. Poznan University of Technology, Poland. Title: Sports Scheduling: A Case Study
  28. September 21st 2006: TU/e Eindhoven University of Technology, Holland: Scheduling English Football Fixtures over Holiday Periods
  29. August 1st 2006: Universiti Teknologi MARA, Malaysia. Title: Scheduling English Football Fixtures over Holiday Periods
  30. August 1st 2006: Universiti Teknologi MARA, Malaysia. Title: An Introduction to Evolutionary Computation  
July 24th 2006: Universiti Kebangsaan Malaysia. Title: Scheduling English Football Fixtures over Holiday Periods
  31. 1st June 2006: New Trends in Scheduling Parallel and Distributed Systems, Luminy-Marseille, France, 28th May – 3rd June 2006: Title: Scheduling English Football Fixtures over Holiday Periods
  32. 1st June 2005. Symposium on Modern Optimisation Methods, 1-3 June 2005, Ghent, Belgium. I gave two presentations (An Introduction to Evolutionary Computation and An Introduction to Metaheuristics)
  33. 15th April 2005. New York University, USA. Title: Hyper-heuristics : An Emerging Search Technology
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34. 2nd February 2005. Edith Cowan University, Perth Australia. Title: Assessing the Research Quality - The UK Experience
35. Invited talk 14th July 2004 at The Royal Institution. Title: Games Computers (cannot) Play. This lecture was to the (fee paying) general public and was very well received. On the feedback forms almost everybody who attended (about 70 people) ticked excellent or good and some of the comments included, "First Class Talk", "Very lively session. Good speaker, good audience. Thank you", "Q&A session most productive" and "Enthusiastic delivery"
36. 3rd June 2004. Dagstuhl Seminar (Scheduling in Computer and Manufacturing Systems, 31st May to 4th June 2004), Germany. Title: Hyper-heuristics : An Emerging Search Technology
37. 5th April 2004. Invited Presentation at Chinese Academy of Science, Beijing. Title: Collaborative Research Opportunities between China and the UK (this visit was supported by EPSRC (GR/S73150/01))
38. 30th March 2004. Invited Seminar at KaHo St.-Lieven, Gent, Belgium. Title: Evolutionary Game Playing
39. 19th December 2003. Invited Seminar at Edith Cowan University, Perth, Australia. Title: Hyper-heuristics : An Emerging Search Technology
40. Plenary tutorial 2nd December 2003 (3 hours) at Artificial Intelligence 2003, Perth, Australia. Title: Artificial Intelligence Techniques for Game Playing. Part of my expenses were paid (conference registration)
41. Plenary talk 12th May 2003 at EPSRC Workshop (Interdisciplinary Scheduling Workshop), Bradford, UK. Title: Hyper-heuristics : An Emerging Search Technology All expenses were paid.
42. Plenary talk 19th September 2002 at EPSRC Workshop (Interdisciplinary Scheduling Workshop), Lancaster, UK. Title: Emerging Research Directions in Scheduling. All expenses were paid.

I have also given many invited seminars at UK institutions, as well as many internal seminars to my own School/Research Group.

## Esteem

### Distinguished Professor

Open University, Hong Kong (Jan 2016 – Dec 2018)

### Honorary Professor

Amity University, India (Jan 2016 – present)

### Adjunct Professor

MISR International University, Egypt (Jun 2010 – Jul 2011)

### EPSRC Peer Review College

Member of the EPSRC Peer Review College (2003-2005, 2006-2009).

### Fellow of the British Computer Society

In May 2014 I become a Fellow of the British Computer Society (FBCS). The requirement to become a fellow (which is the highest level of accreditation awarded by the society) is given on their web site as follows:

*“Fellowship is recognition of achievement and contribution to the IT profession. It is for those who demonstrate a commitment to advancing standards; strategic leadership and best practice, and encourage this in others.*

*Providing recognition for you as an individual, Fellowship is evidenced by the letters FBCS after your name. However, Fellowship also asks something of you: that you look for opportunities to promote the profession. Fellows are expected to give something back to the profession by being involved and by demonstrating the importance of the profession to industry and the public, and by promoting the Institute’s values and mission.”*

### Fellow of the Operational Research Society

In January 2007 I become a Fellow of the Operational Research Society (FORS). The requirement to become a fellow (which is the highest level of accreditation awarded by the society) is given on their web site as follows:

*“Fellow of The OR Society (**FORS**), are for those with a significant record of achievement extending over ten years or more in OR.”*

### Other Esteem

1. Attendance at the Dagstuhl seminar (which are “invitation only” events aimed at the top researchers in the world). *Artificial and Computational Intelligence in Games: Integration (Ref: 15051, 25-30 Jan 2015. Organised by Simon M. Lucas (University of Essex, UK), Michael Mateas (University of California - Santa Cruz, US), Mike Preuss (TU Dortmund, DE), Pieter Spronck (Tilburg University, NL), Julian Togelius (IT University of Copenhagen, DK)*
2. Attendance at the Dagstuhl seminar (which are “invitation only” events aimed at the top researchers in the world). *Artificial and Computational Intelligence in Games (Ref: 12191, 6-11 May 2012. Organised by Simon M. Lucas (University of Essex, UK), Michael Mateas (University of California - Santa Cruz, US), Mike Preuss (TU Dortmund, DE), Pieter Spronck (Tilburg University, NL), Julian Togelius (IT University of Copenhagen, DK)*

3. Invited Panel Member at the Transnational Higher Education Summit, 20-21 Oct 2011, Sari Pan Pacific Jakarta Hotel, Jakarta, Indonesia
4. Attendance at New Perspectives in Scheduling Theory, 9-14 Oct 2011, Hua Jia Shan Resort, Hangzhou, China (Bender M., Blazewicz J., Pesch E., Trystram D. and Zhang G.). This is an invited only event which invites the top scheduling researchers in the world. I presented a paper entitled *Vehicle Routing Problems: Current and Future Datasets*.
5. Attendance at New Challenges in Scheduling Theory Workshop, 12-17 Sep 2010, Centre CNRS "La Villa Clythia", Frejus. This is an invited only event which invites the top scheduling researchers in the world. I presented a paper entitled *Sports Scheduling: Progress to Date and Work in Progress*.
6. Attendance at *New Challenges on Scheduling Theory*, 12 May – 16 May 2008, CIRM, Marseilles, France (Bender M, Blazewicz J, Pesch E, Trystram D and Zhang G (chairs)). This is an invited only event which invites the top scheduling researchers in the world. I presented a paper entitled *Further Experiments in Scheduling English Football Fixtures*.
7. Attendance at the Dagstuhl seminar (which are "invitation only" events aimed at the top researchers in the world) on *Cutting, Packing, Layout and Space Allocation* (Seminar 07112, Cutting, Packing, Layout and Space Allocation, 13-16 Mar 2007, Burke E.K., Daniels K, Kendall G. (co-chairs)).
8. Attendance at *Scheduling Algorithms for New Emerging Applications*, 29 May – 2 June 2006, CIRM, Marseilles, France (Bender M., Blazewicz J., Pesch E. and Trystram D (chairs)). This is an invited only event which invites the top scheduling researchers in the world. I presented a paper entitled *Football Fixture Scheduling in England*.
9. Attendance at the Dagstuhl seminar (which are "invitation only" events aimed at the top researchers in the world (only 2 people have been invited from the UK)).  
*Scheduling in Computer and Manufacturing Systems (Ref: 04231, 31 May – 5 June 2004)*  
Organised by J. Blazewicz (Poznan UT, Poland), E. Coffman (New Jersey Inst. of Technology, USA), K. Ecker (TU Clausthal, Germany), D. Trystram (IMAG, Grenoble, France)
10. Attendance at Dagstuhl seminar (which are "invitation only" events aimed at the top researchers in the world). *Scheduling in Computer and Manufacturing Systems (Ref: 02231, 2-7 June 2002)*  
Organised by J. Blazewicz (Poznan UT, Poland), E. Coffman (New Jersey Inst. of Technology, USA), K. Ecker (TU Clausthal, Germany), D. Trystram (IMAG, Grenoble, France)
11. Attendance at New Trends in Scheduling Parallel and Distributed Systems, which is an invitation only conference (Luminy-Marseille, France, 1<sup>st</sup>-5<sup>th</sup> Oct 2001). At this conference I co-organised a session entitled "The Next Ten Years of Scheduling Research."

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# Examining and Reviewing

## External Examining

1. External Reviewer for the MSc in Computer Games at the University of Essex, UK (Mar 2015)
2. External Examiner for the BCS Distinguished Dissertation Award (Abdullah Alsheddy, Empowerment Scheduling: A Multi-objective Optimization Approach Using Guided Local Search) (June 2012)
3. External Assessor for MSc Multidisciplinary Optimisation, University of Birmingham, UK (Feb 2011)
4. External Assessor for MRes Natural Computation, University of Birmingham, UK (Jan 2011)
5. External Assessor for appointments in the Faculty of Computer Science and Information Technology, Universiti Putra Malaysia (October 2010 to September 2013)
6. Reviewer for the 2010 CPHC/BCS Distinguished Dissertations Competition
7. External Assessor for the promotion of academic staff for University of Khartoum, Sudan, 2010
8. External Assessor for the promotion of academic staff for Universiti Teknologi Mara, Malaysia, 2010
9. External Examiner for the University of Essex (2008/09 to 2011/12). Responsible for examining 17 degree courses.
10. External Examiner (part of the supervisory committee) for Burak Bilgin, KaHo Sint-Lieven, Belgium (2008-2011)
11. External Examiner for Universiti Teknologi MARA, Malaysia (August 2006). This is a two year appointment (January 2006 to December 2007). I am responsible for examining 6 courses (CS220: Bachelor of Science (Hons) (Information Technology); CS223: Bachelor of Science (Hons) (Intelligent Systems); CS224: Bachelor of Science (Hons) (Business Computing); CS226: Bachelor of Science (Hons) (Information Systems Engineering); CS230: Bachelor of Computer Science (Hons); CS777: Master of Science (Computer Science))
12. In 2002 The University of Nottingham reached an agreement with The MISR International University (MIU), Egypt that involves the University of Nottingham acting as a mentor with the aim of ensuring that their undergraduate courses are of the same standard as those at the University of Nottingham. I was instrumental in establishing this link.
13. In November 2002 I visited MIU and carried out a quality assurance assessment. From this we developed an agreement which was signed in August 2003. I visit MIU twice a year (usually in July and October) in order to continue the assessment and also carry out undergraduate teaching and the supervision of student projects.

14. In April 2009 we signed a further MOA (for another five years) and in August 2009 we signed a 2+2 agreement with MISR. I led the negotiation on both the new agreements.
15. External assessor for a course (Certificate of Professional Development in Advanced Computing) at Liverpool John Moores University, UK. July 2004.
16. External assessor for a new BSc course (Artificial Intelligence with Robotics) at DeMontfort University, UK. May 2004
17. External Examiner for Honours Research Proposal for Edith Cowan University, Perth, Australia (January 2003)

## **PhD External Examiner**

1. Omid Seifaddini: Universiti Putra Malaysia, Malaysia, viva date TBC
2. Fong Cheng Weng: Universiti Teknologi Malaysia, Malaysia, viva date, 11th Sep 2014
3. Kevin Alexander Naudé: Nelson Mandela Metropolitan University, South Africa, thesis report submitted, 21st February 2014
4. Matias Sørensen: Technical University of Denmark, viva date, 12th February 2013
5. Simon Kristiansen: Technical University of Denmark, viva date, 13th February 2013
6. Hazaruddin Harun: Universiti Teknologi Mara, thesis report submitted, 21st January 2014
7. Ing. Hans J. Pruellner: DeMontfort University, viva date, 25th Oct 2013
8. Mansoor Abdullateef Abdulgaber Abdulhak: Universiti Kebangsaan Malaysia, viva date, 21st November 2012
9. Malek Ali Ahmad Fehaid: Universiti Kebangsaan Malaysia, viva date, 2nd July 2012
10. Nurhadi Siswanto: University of New South Wales, Australia, thesis report submitted, 5th June 2012
11. Ghaith Mohammad Jaradat: Universiti Kebangsaan Malaysia, 25th January 2012
12. Mohammed Abdo Saleh Hadwan: Universiti Kebangsaan Malaysia, viva date, 18th November 2011
13. Sadaf Naseem Jat: Leicester University, viva date, 20th June 2011
14. Colm O'Riordan: University College Cork, viva date, 1st April 2011
15. Arjun Chandra: University of Birmingham, viva date, 1st February 2011
16. Burak Bilgin: Katholieke Universiteit Leuven, viva date, 20th December 2010. Note: I also attended his public defense on 16th May 2012.
17. Douglas Moody: The City University of New York, viva date, 15th December 2010. Note: I was also his external supervisor, but was also required to sit on the defense panel.



18. Roderick James Samuel Baker: University of Bradford, viva date, 16th December 2010
19. Jayrani Cheeneebash: University of Mauritius, thesis report submitted 19th September 2010
20. Waseem Shahzad: FAST National University of Computer & Emerging Sciences, Pakistan, thesis report submitted, 31st July 2010
21. Abel Garcia Najera: University of Birmingham, viva date, 27th July 2010
22. Manar Ibrahim Hosny: Cardiff University, viva date, 3rd June 2010
23. Mohamed Bahy Bader El Den: University of Essex, viva date, 21st September 2009
24. Alexandros Agapitos: University of Essex, viva date, 19th August 2009
25. Anna Syberfeldt: De Montfort University, viva date, 28th January 2009
26. Ziauddin Ursanni: University of New South Wales, Australia, thesis report submitted, 25th May 2009
27. Johnson Abraham: University of the West of England, viva date, 7th August 2007
28. Van Ha Do: University of Technology Sydney, Australia, thesis report submitted, 19th February 2007
29. Tim Gosling: University of Essex, UK, viva date, 26th January 2007
30. Sarah Steiner: University College London, UK, viva date, 12th October 2006
31. William Maden: Lancaster University, UK, viva date, 14th September 2006
32. James Philip Malburn Argyle: University of Sheffield, UK, viva date, 30th March 2006
33. Eliezer Kaplansky: Ben-Gurion University of the Negev, Israel, thesis report submitted February 2006
34. Luigi Barone: University of Western Australia, Perth, Australia, thesis report submitted December 2002

### **MSc/MPhil External Examiner**

1. Matthias F Brandsetter (MSc): De Montfort University, viva date TBC
2. AbdelMonaem Fouad Moustafa AbdAllah (MSc): University of New South Wales, Australia, thesis report 23rd April 2013
3. Julien Duhain (MSc): University of Pretoria, South Africa. I was part of the examination committee. This committee met on 11th November 2011.
4. Jacomine Grobler (MSc): University of Pretoria, South Africa, viva date, 30th January 2009
5. Himadri Bhattacharya (MPhil): De Montfort University, viva date, 20th February 2007

6. Cornelis Franken (MSc): University of Pretoria, South Africa, thesis report submitted May 2004

### **PhD Internal Examiner**

1. Tissa Chandesa: viva date, 26th April 2013
2. Elkin Castro: viva date, 30th March 2012
3. Cheng Wai Kheng: viva date, TBA
4. Duc Thang Ho: viva date, 2nd November 2011 and 14th March 2013
5. Pawel Widera: viva date, 10th May 2010
6. Geert de Maere: viva date, 12th January 2010
7. Michael Stout: viva date, 25th June 2009
8. Joseph Baxter: viva date, 18th March 2009
9. James Goulding: viva date, 16th March 2009
10. Bartosz Wietrzyk: viva date, 7th December 2007
11. Julie Greensmith: viva date, 18th June 2007
12. Jesús Dario Landa Silva: viva date, 19th August 2003
13. Ralf Keuthen: viva date, 23rd September 2002
14. Rong Qu: viva date, 18th October 2002
15. Fatima Zohra Mansouri: viva date, 20th June 2001

### **MSc/MPhil/MRes Internal Examiner**

1. Martin Geiger (MPhil): viva date, 22nd June 2007
2. Khoi Nguyen Le (MRes): viva date, 18th October 2006

### **International Research Reviewing**

1. I was invited by the National Sciences and Engineering Research Council of Canada to act as a reviewer for a research proposal under their Collaborative Research and Development Grant (Title: Computational Intelligence for Manufacturing Support, Value CAD 245,100), September 2013
2. I was invited by Swiss National Science Foundation to act as a reviewer for one of their proposals (Title: On the Computational Complexity of Optimization, Value CHF 294,450), May 2008.
3. I was invited by the National Research Foundation of South Africa to review applications for their Research Chairs Initiative. This initiative aims to create 55 research chairs in the immediate future, with the ultimate goal of creating 210 research chairs by 2010. I was asked to review one of the applications for the very first phase (four chairs). The reviews were carried out in March/April 2006.

4. I was invited to carry out a review for The British Council, Poland (Title of Proposal: Evolutionary games with nonlinear fitness functions related to simple large game structure and replicator dynamics and their applications to biological problems, Value: ~£500)
5. I was invited to act as a reviewer for the Netherlands Organisation for Scientific Research (NWO) within the scope of their Innovative Research Incentives Scheme (Title of Proposal: Adaptive Systems: Intelligence in Software Agents and Competitive Games, Value: €1250K)

## **Industrial and Managerial**

For 17 years (1979 – 1994) I worked in the Information Technology (IT) industry, starting as a computer operator and ending as a senior manager. I worked for two large companies and managed large scale IT projects and managed upwards of 100 people.

In my current role (as Vice-Provost), I am responsible for Knowledge Exchange and regularly interact with the industrial sector, which includes networking events to promote our research expertise with the aim of working towards contract research contracts.

I also hold, or have held, a number of directorships or CEO positions:

### **Current CEO/Director Positions**

1. Chief Executive Officer of MyResearch Sdn Bhd (Jun 2013 – present)
2. Director of Nottingham Green Technologies Sdn Bhd. (Mar 2015 – present)

### **Previous CEO/Director Positions**

1. Director of MyResearch Sdn Bhd (April 2012 - June 2013)
2. Chief Executive Officer of MYRIAD Sdn Bhd (May 2012 - Sep 2015)
3. Director of MyRIAD Sdn Bhd (Sep 2011 - May 2012)
4. Director of Aptia Solutions Ltd. (2004 - 2012)

## Media

Below I highlight some of the media coverage I have received.

### Social Media

LinkedIn

<https://www.linkedin.com/in/grahamkendall1>

The Conversation

<https://theconversation.com/profiles/graham-kendall-111746/articles>

Twitter

@Graham\_Kendall

ResearcherID:

[https://www.researchgate.net/profile/Graham\\_Kendall](https://www.researchgate.net/profile/Graham_Kendall)

Google Scholar:

<http://scholar.google.com/citations?user=VjJm3zYAAAAJ&hl=en>

ORCID:

<http://orcid.org/0000-0003-2006-5103>

### Media Coverage

1. I am currently (24 Nov2017) the most read author from the University of Nottingham author on TheConversation. My 27 articles have been read by 2,879,725 people.
2. 20<sup>th</sup> Sep 2016: "*Leading in Education*" An article in The Star that featured me after I became Provost  
See <http://bit.ly/2dKs7Ck>
3. 20 Sep 2016: "*Big Data Breakthrough*" (My second Vice Chancellor column for The Star)  
See <http://bit.ly/2dZ9ThN>
4. 16 Aug 2016: "*Research Culture in Malaysia*" (My first Vice Chancellor column for The Star)  
See <http://bit.ly/2dka4Q0>
5. 19 May 2016: "*Research Excellence*" A press report that featured the University of Nottingham's Research Leaders Program having a chance meeting with the Minister of Education  
See <http://bit.ly/2e9vYJw>
6. 12 May 2016: "*Counting your cards right*" An article I wrote for the Conversation, on Card Counting in Blackjack, that was syndicated in the i.  
See <http://bit.ly/2cX61gn>

7. 19 Apr 2016: "*Taking the helm*" (A press report in the Star when I was appointed Provost/CEO at the University of Nottingham Malaysia Campus)  
See <http://bit.ly/2dRtPxX>
8. 06 Mar 2016: "*Five Star Research Rating*" An article in the Sunday Star when we received our MyRA 5\* rating from the Ministry of Education  
See <http://bit.ly/2dRt5ZY>
9. 06 Mar 2014: "*Scientist of the Week: Graham Kendall*"  
See <http://bit.ly/2dkbARW>
10. On 18 Aug 2010 New Scientist ran a feature on the IEEE Symposium on Computational Intelligence and Games conference. This was a conference that I started in 2005 (co-chaired with Simon Lucas from the University of Essex) and I also co-chaired the 2006 conference (with Sushil Louis from the University of Reno in Nevada).  
See <http://www.newscientist.com/article/mg20727745.100-online-games-are-a-gold-mine-for-design-ideas.html>
11. On 13 Aug 2009 a brief report of my football scheduling research was reported in the Times Higher Education (University of Nottingham: Home Win, Times Higher Education 13 Aug 2009, pp 14). A copy of this article is available on request.
12. On 10 Aug 2009 my research was featured on register.co.uk ([http://www.theregister.co.uk/2009/08/10/football\\_scheduler\\_ware\\_malarkkey/](http://www.theregister.co.uk/2009/08/10/football_scheduler_ware_malarkkey/)). An image of this web page can be provided on request.
13. On 08 Aug 2009 my research was featured on Thaindian News ([http://www.thaindian.com/newsportal/health/now-a-software-program-to-plan-english-football-fixtures\\_100229385.html](http://www.thaindian.com/newsportal/health/now-a-software-program-to-plan-english-football-fixtures_100229385.html)). An image of this web page can be provided on request.
14. On 7 Aug 2009 my research was featured on Science Codex ([http://www.sciencecodex.com/planning\\_english\\_football\\_fixtures](http://www.sciencecodex.com/planning_english_football_fixtures)). An image of this web page can be provided on request.
15. On 7 Aug 2009 I was interviewed by BBC Radio Nottingham about my research on scheduling football fixtures, particularly over the Christmas/New Year period. This was broadcast the following day (8<sup>th</sup> August 2009) to coincide with the start of the new football season.
16. On 7 Aug 2009, my research was reported at eurekaalert.org, reporting of my work with scheduling football fixtures (see [http://www.eurekaalert.org/pub\\_releases/2009-08/uon-pef080709.php](http://www.eurekaalert.org/pub_releases/2009-08/uon-pef080709.php)).
17. On 6 Aug 2009, an article about my research appeared on physorg.com (<http://www.physorg.com/news168796520.html>). An image of this web page can be provided on request.
18. On 5 Mar 2008 our team were interviewed by BBC Radio Nottingham about the work we carried out in our robotics laboratory. I can supply electronic copies (as WAV files) of these interviews upon request.

19. I have organised a Public Communications Training Event (19<sup>th</sup> September 2006). This was organised under my own initiative and will utilise 8 EPSRC PCTF awards to leverage added value from these awards. The event had the following speakers; **Quentin Cooper** (Radio 4 presenter), **David Howard** (EPSRC Senior Media Fellow), **Jeremy Webb** (Editor of the New Scientist), **Joanna Coleman** (EPSRC), **Tara De Cozar** (UoN Media Relations), **Peter Higgins** (University of Essex), **Ed Copeland** (University of Nottingham), **Mark Griffiths** (Nottingham Trent University), **Noel Sharkey** (EPSRC Senior Media Fellow).