Alice E Smith

List of Publications by Year in Descending Order

93 papers	4,295 citations	25 h-index	65 g-index
115 ext. papers	4,890 ext. citations	4.6 avg, IF	5.63 L-index

#	Paper	IF	Citations
93	Relocations in container depots for different handling equipment types: Markov models. *Computers and Industrial Engineering*, **2021**, 157, 107311	6.4	1
92	A novel approach for modeling order picking paths. *Naval Research Logistics*, **2021**, 68, 471-484	1.5	1
91	The traveling salesman problem with release dates and drone resupply. *Computers and Operations Research*, **2021**, 129, 105170	4.6	13
90	Acceptability of Artificial Intelligence in Poultry Processing and Classification Efficiencies of Different Classification Models in the Categorisation of Breast Fillet Myopathies. *Frontiers in Physiology*, **2021**, 12, 712649	4.6	0
89	A data-driven approach to grocery store block layout. *Computers and Industrial Engineering*, **2020**, 139, 105562	6.4	10
88	An improved model for the parallel row ordering problem. *Journal of the Operational Research Society*, **2020**, 71, 475-490	2	10
87	Minimizing late deliveries in a truck loading problem. *European Journal of Operational Research*, **2020**, 286, 919-928	5.6	0
86	Locating multiple capacitated semi-obnoxious facilities using evolutionary strategies. *Computers and Industrial Engineering*, **2019**, 133, 303-316	6.4	7
85	Double-row facility layout with replicate machines and split flows. *Computers and Operations Research*, **2019**, 108, 20-32	4.6	14
84	Evaluating Reliability/Survivability of Capacitated Wireless Networks. *IEEE Transactions on Reliability*, **2018**, 67, 26-40	4.6	17
83	Block layout for attraction-based enterprises. *European Journal of Operational Research*, **2018**, 266, 1100-1112	5.6	5
82	An integer programming approach for fuzzy rule-based classification systems. *European Journal of Operational Research*, **2017**, 256, 924-934	5.6	5
81	Empty container stacking operations: Case study of an empty container depot in valparaiso chile **2017**,		1
80	Models as self-aware cognitive agents and adaptive mediators for model-driven science **2017**,		1
79	A technical note on the paper Ğ[GA: Hybrid genetic algorithm in fuzzy rule-based classification systems for high-dimensional problemsŅ *Applied Soft Computing Journal*, **2016**, 41, 91-93	7.5	5
78	Multi-commodity k-splittable survivable network design problems with relays. *Telecommunication Systems*, **2016**, 62, 123-133	2.3	3
77	Empty container stacking operations: Case study of an Empty Container Depot in Valparaiso Chile **2016**,		4

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76	The Double-Bay Layout Problem. *IEEE Transactions on Semiconductor Manufacturing*, **2016**, 29, 446-454	2.6	4
75	Sharing clearances to improve machine layout. *International Journal of Production Research*, **2016**, 54, 4272-4285	7.8	19
74	The vehicle loading problem with a heterogeneous transport fleet. *Computers and Industrial Engineering*, **2016**, 97, 137-145	6.4	9
73	A clonal selection algorithm for urban bus vehicle scheduling. *Applied Soft Computing Journal*, **2015**, 36, 36-44	7.5	16
72	A model-driven engineering approach to simulation experiment design and execution **2015**,		7
71	Improving Hot Mix Asphalt Production Using Computer Simulation and Real Time Optimization. *Journal of Computing in Civil Engineering*, **2014**, 28, 04014011	5	2
70	Solving an Extended Double Row Layout Problem Using Multiobjective Tabu Search and Linear Programming. *IEEE Transactions on Automation Science and Engineering*, **2014**, 11, 1122-1132	4.9	43
69	An efficient local search heuristic for the double row layout problem with asymmetric material flow. *International Journal of Production Research*, **2013**, 51, 6129-6139	7.8	29
68	A setup reduction methodology from lean manufacturing for development of meta-heuristic algorithms **2013**,		3
67	Retail space design considering revenue and adjacencies using a racetrack aisle network. *IIE Transactions*, **2012**, 44, 446-458		17
66	A bi-objective model for the retail spatial design problem. *Engineering Optimization*, **2012**, 44, 243-266	2	7
65	Improving Network Connectivity in Ad Hoc Networks Using Particle Swarm Optimization and Agents. *Profiles in Operations Research*, **2011**, 247-267	1	3
64	Connectivity management in mobile ad hoc networks using particle swarm optimization. *Ad Hoc Networks*, **2011**, 9, 1312-1326	4.8	46
63	Efficient Optimization of Reliable Two-Node Connected Networks: A Biobjective Approach. *INFORMS Journal on Computing*, **2011**, 23, 430-445	2.4	5
62	Women in engineering in Turkey a large scale quantitative and qualitative examination. *European Journal of Engineering Education*, **2010**, 35, 45-57	1.5	15
61	Neural Network Models to Anticipate Failures of Airport Ground Transportation Vehicle Doors. *IEEE Transactions on Automation Science and Engineering*, **2010**, 7, 183-188	4.9	8
60	A simulation methodology for online process control of hot mix asphalt (HMA) production **2010**,		3
59	Optimizing tactical military MANETs with a specialized PSO **2010**,		4

58	Bandwidth allocation with a particle swarm meta-heuristic for ethernet passive optical networks. *Computer Communications*, **2010**, 33, 526-531	5.1	3
57	Evolving an adaptive optimization course [Application Notes]. *IEEE Computational Intelligence Magazine*, **2009**, 4, 52-54	5.6	0
56	A General Neural Network Model for Estimating Telecommunications Network Reliability. *IEEE Transactions on Reliability*, **2009**, 58, 2-9	4.6	42
55	Two-Edge Disjoint Survivable Network Design Problem with Relays **2009**, 279-292		5
54	Determining aisle structures for facility designs using a hierarchy of algorithms. *IIE Transactions*, **2008**, 40, 1019-1031		9
53	Bi-objective facility expansion and relayout considering monuments. *IIE Transactions*, **2007**, 39, 747-761		21
52	Solving the semi-desirable facility location problem using bi-objective particle swarm. *European Journal of Operational Research*, **2007**, 177, 733-749	5.6	63
51	The application of automated image analysis to dense heterogeneities in partially sintered alumina. *Journal of the European Ceramic Society*, **2007**, 27, 1927-1933	6	4
50	A memetic algorithm for channel assignment in wireless FDMA systems. *Computers and Operations Research*, **2007**, 34, 1842-1856	4.6	18
49	Dynamic Load Balancing Using an Ant Colony Approach in Micro-cellular Mobile Communications Systems **2007**, 137-152		3
48	AN ANT COLONY APPROACH TO THE ORIENTEERING PROBLEM. *Journal of the Chinese Institute of Industrial Engineers*, **2006**, 23, 403-414		17
47	Network Reliability Optimization **2006**, 735-760		11
46	Two-stage data mining for flaw identification in ceramics manufacture. *International Journal of Production Research*, **2006**, 44, 2839-2851	7.8	11
45	Practical guidelines for developing BP neural network models of measurement uncertainty data. *Journal of Manufacturing Systems*, **2006**, 25, 239-250	9.1	12
44	A continuous approach to considering uncertainty in facility design. *Computers and Operations Research*, **2006**, 33, 1760-1775	4.6	31
43	Multi-objective tabu search using a multinomial probability mass function. *European Journal of Operational Research*, **2006**, 169, 918-931	5.6	55
42	The effect of powder forming method on the pull-out flaw populations observed on polished surfaces of alumina ceramics. *Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing*, **2006**, 427, 160-166	5.3	1
41	Multi-objective optimization using genetic algorithms: A tutorial. *Reliability Engineering and System Safety*, **2006**, 91, 992-1007	6.3	1918

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40	A new mixed integer programming formulation for facility layout design using flexible bays. *Operations Research Letters*, **2006**, 34, 660-672	1	78
39	Dual Kriging: An Exploratory Use in Economic Metamodeling. *Engineering Economist*, **2005**, 50, 247-271	0.8	4
38	Grain boundary detection in microstructure images using computational intelligence. *Computers in Industry*, **2005**, 56, 854-866	11.6	29
37	Designing resilient networks using a hybrid genetic algorithm approach **2005**,		7
36	Exploiting Tabu Search Memory in Constrained Problems. *INFORMS Journal on Computing*, **2004**, 16, 241-254	2.4	45
35	Capacitated network design considering survivability: an evolutionary approach. *Engineering Optimization*, **2004**, 36, 189-205	2	15
34	A Genetic Algorithm with Fuzzy Logic Controller for Design of Communication Networks. *IEEJ Transactions on Electronics, Information and Systems*, **2004**, 124, 1979-1985	0.1	1
33	Design of Production Facilities Using Evolutionary Computing **2003**, 309-327		
32	Optimal Design of Reliable Computer Networks: A Comparison of Metaheuristics. *Journal of Heuristics*, **2003**, 9, 471-487	1.9	32
31	Estimation of shrinkage for near net-shape using a neural network approach. *Journal of Intelligent Manufacturing*, **2003**, 14, 219-228	6.7	7
30	Efficiently Solving the Redundancy Allocation Problem Using Tabu Search. *IIE Transactions*, **2003**, 35, 515-526		200
29	Incorporating heterogeneous distance metrics within block layout design. *International Journal of Production Research*, **2003**, 41, 1045-1056	7.8	8
28	Genetic algorithm to maximize a lower-bound for system time-to-failure with uncertain component Weibull parameters. *Computers and Industrial Engineering*, **2002**, 41, 423-440	6.4	37
27	Estimation of all-terminal network reliability using an artificial neural network. *Computers and Operations Research*, **2002**, 29, 849-868	4.6	80
26	A Seeded Memetic Algorithm for Large Unit Commitment Problems. *Journal of Heuristics*, **2002**, 8, 173-195	2.5	108
25	NEURAL NETWORK OPEN LOOP CONTROL SYSTEM FOR WAVE SOLDERING. *Journal of Electronics Manufacturing*, **2002**, 11, 95-105		6
24	Estimation of a mass transfer coefficient for nylon manufacture using multiple neural networks. *Journal of Manufacturing Systems*, **2001**, 20, 349-356	9.1	5
23	Integrated facilities design using a contour distance metric. *IIE Transactions*, **2001**, 33, 337-344		2

22	Integrated facilities design using a contour distance metric. *IIE Transactions*, **2001**, 33, 337-344		34
21	Evolutionary Methods for the Design of Reliable Networks **2001**, 17-34		2
20	Prediction and optimization of a ceramic casting process using a hierarchical hybrid system of neural networks and fuzzy logic. *IIE Transactions*, **2000**, 32, 83-91		5
19	Prediction and optimization of a ceramic casting process using a hierarchical hybrid system of neural networks and fuzzy logic. *IIE Transactions*, **2000**, 32, 83-91		14
18	Evolutionary Design of Facilities Considering Production Uncertainty **2000**, 175-186		6
17	Computing confidence intervals for stochastic simulation using neural network metamodels. *Computers and Industrial Engineering*, **1999**, 36, 391-407	6.4	30
16	Economic design of reliable networks. *IIE Transactions*, **1998**, 30, 1161-1174		1
15	Economic design of reliable networks. *IIE Transactions*, **1998**, 30, 1161-1174		44
14	Integrated facility design using an evolutionary approach with a subordinate network algorithm. *Lecture Notes in Computer Science*, **1998**, 937-946	0.9	4
13	COST ESTIMATION PREDICTIVE MODELING: REGRESSION VERSUS NEURAL NETWORK. *Engineering Economist*, **1997**, 42, 137-161	0.8	142
12	Adaptive Penalty Methods for Genetic Optimization of Constrained Combinatorial Problems. *INFORMS Journal on Computing*, **1996**, 8, 173-182	2.4	134
11	Solving the redundancy allocation problem using a combined neural network/genetic algorithm approach. *Computers and Operations Research*, **1996**, 23, 515-526	4.6	87
10	Penalty guided genetic search for reliability design optimization. *Computers and Industrial Engineering*, **1996**, 30, 895-904	6.4	143
9	A genetic approach to the quadratic assignment problem. *Computers and Operations Research*, **1995**, 22, 73-83	4.6	182
8	Unequal-area facility layout by genetic search. *IIE Transactions*, **1995**, 27, 465-472		161
7	A predictive model for slip resistance using artificial neural networks. *IIE Transactions*, **1995**, 27, 374-381		16
6	Reducing waste in casting with a predictive neural model. *Journal of Intelligent Manufacturing*, **1994**, 5, 277-286	6.7	12
5	Relating product specifications and performance data with a neural network model for design improvement. *Journal of Intelligent Manufacturing*, **1993**, 4, 367-374	6.7	7

LIST OF PUBLICATIONS

4	Predicting product quality with backpropagation: A thermoplastic injection moulding case study. *International Journal of Advanced Manufacturing Technology*, **1993**, 8, 252-257	3.2	17
3	An intelligent composite system for statistical process control. *Engineering Applications of Artificial Intelligence*, **1992**, 5, 519-526	7.2	2
2	Controlling industrial processes through supervised, feedforward neural networks. *Computers and Industrial Engineering*, **1991**, 21, 247-251	6.4	17
1	A tabu search algorithm to solve a green logistics bi-objective bi-level problem. *Annals of Operations Research*,1	3.2	3