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CONTACT INFORMATION

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ACADEMIC POSITIONS

2014-present	FULL PROFESSOR
2009–2014	ASSOCIATE PROFESSOR Department of Industrial Engineering, Yasar University, Selcuk Yasar Campus, Izmir, TURKEY
2006-2009	ASSISTANT PROFESSOR Department of Operations Management, Sultan Qaboos University, Muscat, OMAN
2002-2006	ASSISTANT PROFESSOR Department of Operations Management, Fatih University, Istanbul, TURKEY
2001-2002	VISITING ASSISTANT PROFESSOR Department of Industrial Engineering, University of Puerto Rico at Mayaguez, Puerto Rico, USA
2000-2001	VISITING ASSISTANT PROFESSOR Department of Industrial Engineering, University of Alabama in Tuscaloosa, AL, USA
1999-2000	VISITING ASSISTANT PROFESSOR Department of Industrial and Systems Engineering, Auburn University, AL, USA
1996-1999	ASSISTANT PROFESSOR Department of Industrial Engineering, Sakarya University, Sakarya, TURKEY
1989-1996	RESEARCH ASSISTANT Department of Industrial Engineering, Sakarya University, Sakarya, TURKEY
1986-1989	INSTRUCTOR ITU Duzce Vocational School, Duzce, TURKEY
1983-1986	RESEARCH ASSISTANT Department of Industrial Engineering, Sakarya University, Sakarya, TURKEY

Research Focus: Modeling, analysis and optimization of complex systems through the use of computational intelligence methods together with techniques from probability and statistics, and

from operations research. Design and development of modern meta-heuristic algorithms (swarm intelligence, evolutionary computation and modern local search algorithms) to solve discrete/combinatorial/binary optimization and real-parameter unconstrained/constrained optimization problems. Develop constraint handling methods. Develop constructive heuristics, Develop meta-heuristic algorithms for multi-objective optimization in architectural design. Main research interest has been on sequencing and scheduling problems (ranging from single machine problems to multi-machine problems such as parallel machines, job-shops, flowshops, hybrid job-shop, hybrid flowshop, sequence-dependent variants), TSP and its variants, real-parameter unconstrained and constrained optimization, architectural design optimization, and smart cities design.

CONSULTANCY

1995-1999 : SENIOR CONSULTANT TO CANIAS ERP SOFTWARE (WWW.CANIAS.COM)

Development, consultancy and training of CANIAS ERP software in different industries.

2002-2006 : SENIOR CONSULTANT TO CANIAS ERP SOFTWARE (WWW.CANIAS.COM)

Development, consultancy and training of CANIAS ERP software in different industries.

EDUCATION

PH.D., PRODUCTION AND OPERATIONS MANAGEMENT, 1996.

Istanbul University, Istanbul, TURKEY.

PH.D STUDENT, PRODUCTION AND OPERATIONS MANAGEMENT, 1988-91.

Bosphorus University, Istanbul, TURKEY.

Switched to Istanbul University in 1991

MSC., INDUSTRIAL ENGINEERING, 1987.

Istanbul Technical University (ITU), Istanbul, TURKEY.

B.S., INDUSTRIAL ENGINEERING, 1987.

Istanbul Technical University (ITU), Sakarya, TURKEY.

TEACHING CERTIFICATES, 1986

Bolton Institute of Higher Education, Bolton, UK

Waukesha County Technical College, Wisconsin, USA

HONORS AND AWARDS

Best researcher award at Yasar University, 2010

Best researcher award at Yasar University, 2011

Best researcher award at Yasar University, 2012

Best researcher award at Yasar University, 2013

Best researcher award at Yasar University, 2014

Distinguished researcher award at Yasar University, 2015

Invited keynote speaker in SEMCCO2013, Chennai, India, 2013

Invited keynote speaker in SSC2014, Orlando, USA

NATIONAL RESEARCH GRANTS (PRINCIPAL INVESTIGATOR)

1. TUBITAK-TEYDEP, Project Number. 3140117, DY0-Gebze production and filling units automation and optimization (Completed in 2015)
2. SANTEZ, Assignment and scheduling with parallel machines in DY0 Paint filling unit, Project no. 1594.STZ.2012-2. (Completed in 2013)
3. TUBITAK 1001, A new differential evolution algorithm to solve no-idle permutation flowshop scheduling problem with total flowtime criterion. Project no: 110M622 (Completed in 2012)
4. DY0 Painting Company, Supplier selection using AHP, (Completed in 2015)

ADMINISTRATIVE

2009-2016 Director of Research and Development Center (YAGEM), Yasar University, Izmir, Turkey.
2009-2016 Engineering Faculty Board Member, Yasar University, Izmir, Turkey.
2009-2016 Graduate School of Engineering Board Member, Yasar University, Izmir, Turkey.
2009-2016 Incentive Committee Member, Yasar University, Izmir, Turkey.
2009-2016 Promotion Committee Member, Yasar University, Izmir, Turkey.
2009-2016 Project Evaluation and Monitoring Committee Member, Yasar University, Izmir, Turkey.

CITATIONS

Google Scholar: 4005

H-Index : 29

I10-Index : 44

REFEREED JOURNAL ARTICLES

1. Kai-Zhou Gao, Ponnuthurai Nagarathnam Suganthan, Mehmet Fatih Tasgetiren, Quan-Ke Pan, Qiang Qiang Sun, Effective ensembles of heuristics for scheduling flexible job shop problem with new job insertion, *Computers and Industrial Engineering* 90: 107-117 (2015)
2. Kai Zhou Gao, Ponnuthurai Nagarathnam Suganthan, Quan-Ke Pan, Mehmet Fatih Tasgetiren, An effective discrete harmony search algorithm for flexible job shop scheduling problem with fuzzy processing time, *International Journal of Production Research*, 53 (19), 5896-5911 (2015).
3. Korhan Karabulut and M. Fatih Tasgetiren, A Variable Iterated Greedy Algorithm for the Traveling Salesman Problem with Time Windows, *Inf. Sci.* 279: 383-395 (2014).
4. Jun-Qing Li, Quan-Ke Pan, M. Fatih Tasgetiren, (2013), A discrete artificial bee colony algorithm for the multi-objective flexible job-shop scheduling problem with maintenance activities, *Applied Mathematical Modelling*, 38(3), 1111-1132 (2014).
5. Mustafa Secmen, Mehmet Fatih Tasgetiren, (2013), Ensemble of differential evolution algorithms for electromagnetic target recognition problem, *IET Radar, Sonar and Navigation*, IET Radar, Sonar & Navigation, Volume 7, Issue 7, August 2013, p. 780 – 788,
6. M. Fatih Tasgetiren, Quan-Ke Pan, P. N. Suganthan, Ozge Buyukdagli, (2013), A Variable Iterated Greedy Algorithm with Differential Evolution for the No-Idle Permutation Flowshop Scheduling Problem, *Computers and Operations Research*, Volume: 40 Issue: 7 Pages: 1729-1743 .
7. M. Fatih Tasgetiren, Quan-Ke Pan, P.N. Suganthan, Adalet Oner, A Discrete Artificial Bee Colony Algorithm for the No-Idle Permutation Flowshop Scheduling Problem with the Total Tardiness Criterion, *Appl. Math. Modelling*, *Applied Mathematical Modelling* 37 (2013) 6758–6779.

8. Onder Bulut and M. Fatih Tasgetiren, An Artificial Bee Colony Algorithm for the Economic Lot Scheduling Problem, *International Journal of Production Research*, Volume: 52 Issue: 4 Pages: 1150-1170 Published: FEB 16 2014
9. M. Fatih Tasgetiren, Quan-Ke Pan, Ponnuthurai N. Suganthan, Angela Hsiang-Ling Chen: A discrete artificial bee colony algorithm for the total flowtime minimization in permutation flow shops. *Inf. Sci.* 181(16): 3459-3475 (2011).
10. Ling Wang, Quan-Ke Pan, M. Fatih Tasgetiren, A Hybrid Harmony Search Algorithm for the Blocking Permutation Flow Shop Scheduling Problem, *Computers and Industrial Engineering* 61(1): 76-83 (2011)
11. R. Mallipeddi, P.N. Suganthan, Q.K. Pan, M.F. Tasgetiren., Differential evolution algorithm with ensemble of parameters and mutation strategies, *Appl. Soft Comput.* 11(2): 1679-1696 (2011)
12. S. Z. Zhao, P. N. Suganthan, Quan-Ke Pan, M. Fatih Tasgetiren, Dynamic Multi-Swarm Particle Swarm Optimizer with Harmony Search, *Expert Syst. Appl.* 38(4): 3735-3742 (2011)
13. Quan-Ke Pan, M. Fatih Tasgetiren, P.N. Suganthan, T.J. Chua, (2010) A discrete artificial bee colony algorithm for the lot-streaming flow shop scheduling problem, *Inform. Sci.* 181(12): 2455-2468 (2011). **Scimedirect Top 25 Hottest.**
14. Quan-Ke Pan, P.N. Suganthan, J.J. Liang, M. Fatih Tasgetiren, A local-best harmony search algorithm with dynamic sub-harmony memories for lot-streaming flow shop scheduling problem, *Expert Systems with Applications*, 38 (4): 3252-3259 (2011)
15. Quan-Ke Pan, P.N. Suganthan, M. Fatih Tasgetiren, J.J. Liang, A self-adaptive global best harmony search algorithm for continuous optimization problems, *Applied Mathematics and Computation*, 216, 830–848 (2010). **Scimedirect Top 25 Hottest**
16. M. Fatih Tasgetiren, P.N. Suganthan, Quan-Ke Pan, An ensemble of discrete differential evolution algorithms for solving the generalized traveling salesman problem, *Applied Mathematics and Computation* 215 (2010) 3356–3368. **Scimedirect Top 25 Hottest.**
17. Ling Wang, Quan-Ke Pan, M. Fatih Tasgetiren, Minimizing the total flow time in a flow shop with blocking by using hybrid harmony search algorithms, *Expert Systems with Applications*, 37(12): 7929-7936 (2010)
18. Quan-Ke Pan, P. N. Suganthan, J.J. Liang and M. Fatih Tasgetiren, A local-best harmony search algorithm with dynamic subpopulations, *Engineering Optimization*, 42(2), 101-117, (2010).
19. M. Fatih Tasgetiren, Quan-Ke Pan, P. N. Suganthan, Tay Jin Chua, A Differential Evolution Algorithm for the No-Idle Flowshop Scheduling Problem with Total Tardiness Criterion, *International Journal of Production Research*, 49(16), 5033-5050 (2011).
20. M. Fatih Tasgetiren, Mehmet Sevkli, Yun-Chia Liang, and M. Mutlu Yenisey, A Particle Swarm Optimization and Differential Evolution Algorithms for Job Shop Scheduling Problem, *International Journal of Operations Research* Vol. 3, No. 2, 120-135 (2006).
21. M. Fatih Tasgetiren, Yun-Chia Liang, Mehmet Sevkli, Gunes Gencyilmaz, A particle swarm optimization algorithm for makespan and total flowtime minimization in the permutation flowshop sequencing problem, *European Journal of Operational Research* 177 (2007) 1930–1947.
22. M. Fatih Tasgetiren, Quan-Ke Pan, Yun-Chia Liang, A discrete differential evolution algorithm for the single machine total weighted tardiness problem with sequence dependent setup times, *Computers and Operations Research*, 36 (2009), pp. 1900-1915.
23. Quan-Ke Pan, M. Fatih Tasgetiren, Yun-Chia Liang, A Discrete differential evolution algorithm for the permutation flowshop scheduling problem, *Computers and Industrial Engineering* (2008), Vol. 35, NO.4, pp.795-816.
24. Quan-Ke Pan, M. Fatih Tasgetiren, Yun-Chia Liang, A Discrete Particle Swarm Optimization Algorithm for the No-Wait Flowshop Scheduling Problem with Makespan and Total Flowtime Criteria, *Computers and Operations Research* 35(2008), Vol. 35, No. 9, pp. 2807-2839, **Scimedirect Top 25 Hottest**

25. Quan-Ke Pan, Ling Wang, M. Fatih Tasgetiren, Bao-Hua Zhao, A hybrid discrete particle swarm optimization algorithm for the no-wait flow shop scheduling problem with makespan criterion, *International Journal of Advanced Manufacturing Technology* (2008) 38:337–347.
26. M. Fatih Tasgetiren, Yun-Chia Liang, Mehmet Sevkli, and Gunes Gencyilmaz, Particle Swarm Optimization and Differential Evolution for Single Machine Total Weighted Tardiness Problem, *International Journal of Production Research* (2006), vol. 44, no. 22, pp. 4737-4754. (SCI, EI).
27. M. Fatih Tasgetiren, Yun-Chia Liang, A Binary Particle Swarm Optimization Algorithm for Lot Sizing Problem, *Journal of Economic and Social Research* (2003), vol. 5, no. 2, pp. 1-20.
28. M. Fatih Tasgetiren, A Genetic Algorithm with an Adaptive Penalty Function for the Orienteering Problem, *Journal of Economic and Social Research*(2002), Vol.4 No.2, pp. 20-40.

REFEREED JOURNAL ARTICLES IN PROCESS

1. Fatih Tasgetiren, Damla Kizilay, Quan-Ke Pan, Ling Wang, (2015), An Iterated Greedy Algorithm for the Hybrid Flowshop Scheduling Problem with the Makespan Criterion, Submitted to *Applied Mathematical Modelling*
2. M. Fatih Tasgetiren; Damla Kizilay; Quan-Ke Pan; P. N Suganthan, (2015) Iterated Greedy Algorithms for the Blocking Flow Shop Scheduling Problem with the Makespan Criterion, Under revision by *Computers and Operations Research*.
3. Ayca Kirimtat; Cemre Ugurlu; Berk Ekici; Ioannis Chatzikonstantinou ; M. Fatih Tasgetiren, (2015), A Multi-Objective Self-Adaptive Differential Evolution Algorithm for a Floating Underwater Hotel Room Design, Under revision by *Applied Soft Computing*.
4. Berk Ekici; Ioannis Chatzikonstantinou; I. Sevil Sariyildiz, M. Fatih Tasgetiren, Quan-Ke Pan, (2015), Multi-Objective Evolutionary Algorithms for Parametric High-Rise Building Design, Under review by *Automation in Construction*
5. Yavuz Ince; Korhan Karabulut, M. Fatih Tasgetiren, Quan-Ke Pan, (2015), Iterated Greedy Algorithms for the Sequence-Dependent Setup Times Flowshop Scheduling Problem with Makespan Criterion, Under review by *Computers and Industrial Engineering*
6. Kai Zhou GAO, P. N Suganthan, Quan Ke Pan; M. Fatih Tasgetiren, (2015), Artificial Bee Colony Algorithm for Scheduling and Rescheduling Fuzzy Flexible Job Shop Problem with New Job Insertion, Under review by *Knowledge-Based Systems*..

BOOK CHAPTERS

1. M. Fatih Tasgetiren, P. N. Suganthan, Sel Ozcan, Damla Kizilay, A Differential Evolution Algorithm with a Variable Neighborhood Search for Constrained Function Optimization, *Adaptation and Hybridization in Computational Intelligence*, Springer-Verlag, Volume 18, 2015, pp 171-184.
2. M. Fatih Tasgetiren, Ozge Buyukdagli, Damla Kizilay, Korhan Karabulut, A Populated Iterated Greedy Algorithm with Inver-Over Operator for Traveling Salesman Problem, *SEMCCO (1) 2013: 1-12*, Chennai, India.
3. M. Fatih Tasgetiren, Ozge Buyukdagli, Quan-Ke Pan, P.N. Suganthan, A General Variable Neighborhood Search Algorithm for the No-Idle Permutation Flowshop Scheduling Problem, *SEMCCO (1) 2013: 24-34*, Chennai, India.
4. Mehmet Fatih Tasgetiren, Quan-Ke Pan, Ponnuthurai N. Suganthan, Ozge Buyukdagli, A Variable Iterated Greedy Algorithm with Differential Evolution for Solving No-Idle Flowshops. L. Rutkowski et al. (Eds.): *SIDE 2012 and EC 2012*, LNCS 7269, pp. 128–135, 2012, Springer-Verlag Berlin Heidelberg.
5. M. Fatih Tasgetiren, Quan-Ke Pan, Yun-Chia Liang and P. N Suganthan, A modified particle swarm optimization algorithm for the generalized traveling salesman problem. Invited book chapter in "Traveling Salesman Problem" edited by Federico Greco in *I-Tech*. 2008, ISBN 978-953-7619-10-7.

6. M. Fatih Tasgetiren, P. Suganthan, G. Gencyilmaz, Angela H-L Chen, A smallest position value approach, Invited book chapter in "Differential Evolution: A handbook for Global Permutation-Based Combinatorial Optimization" edited by Godfrey Onwubolu and Donald Davendra, 2009 Springer-Verlag, pp.121-138. ISBN 978-3-540-92150-9.
7. M. Fatih Tasgetiren, P. Suganthan, Quan-Ke Pan, Yun-Chia Liang, Discrete Approach. Invited book chapter in "Differential Evolution: A handbook for Global Permutation-Based Combinatorial Optimization" edited by Godfrey Onwubolu, 2009 Springer-Verlag. Pp. 139-162, . ISBN 978-3-540-92150-9.
8. M. Fatih Tasgetiren, Quan-Ke Pan, Yun-Chia Liang, and P. N. Suganthan, Meta Heuristics for the common due date total earliness and tardiness single machine scheduling problem, Invited book chapter in Chakraborty, U.K. (Ed.), "Computational Intelligence in Flowshop and Job Shop Scheduling", Berlin, Heidelberg: Springer Verlag. Submitted. 2009.
9. Bulut O, M. F. Tasgetiren, M. M. Fadiloglu. A Genetic Algorithm For the Economic Lot Scheduling Problem Under Extended Basic Period Approach and Power-of-Two Policy. Advanced Intelligent Computing Theories and Applications. With Aspects of Artificial Intelligence, Lecture Notes in Computer Science Volume 6839, 2012, pp 57-65 .
10. Guldogan E. U, O. Bulut , M. F. Tasgetiren. A Dynamic Berth Allocation Problem with Priority Considerations under Stochastic Nature. 2011 International Conference on Intelligent Computing. Lecture Notes in Computer Science Series, Springer Verlag, volume 6839.
11. M. Secmen, M. F. Tasgetiren, A Differential Evolution Algorithm for the Extraction of Complex Natural Resonance Frequencies of Electromagnetic Targets in Advanced Intelligent Computing, D.-S. Huang et al. (Eds.), Lecture Notes in Computer Science 6838, pp. 131–138, Springer-Verlag, August 2011.
12. M. Fatih Tasgetiren, Quan-Ke Pan, Ling Wang and Angela H. -L. Chen, A DE Based Variable Iterated Greedy Algorithm for the No-Idle Permutation Flowshop Scheduling Problem with Total Flowtime Criterion, Advanced Intelligent Computing Theories and Applications. Lecture Notes in Computer Science, 2012, Volume 6839/2012, 83-90.
13. Quan-Ke Pan, M. Fatih Tasgetiren, and Yun-Chia Liang, Minimizing total earliness and tardiness penalties with a common due date on a single machine using a discrete particle swarm optimization algorithm, Ant Colony Optimization and Swarm Intelligence, (ANTS2006), LNCS 4150, Springer-Verlag, 2006, pp. 460-467.
14. M. Fatih Tasgetiren, Mehmet Sevkli, Yun-Chia Liang, Gunes Gencyilmaz. (2004), Particle swarm optimization algorithm for permutation flowshop sequencing problem. Ant Colony Optimization and Swarm Intelligence (ANTS2004), LNCS 3172, Brussels, Belgium, pp. 382-390.

REFEREED PROCEEDINGS

1. Berk Ekici, Seckin Kutucu, I. Sevil Sariyildiz, M. Fatih Tasgetiren, Addressing the high-rise form finding problem by evolutionary computation, CEC 2015: 2253-2260.
2. Cemre Ugurlu, Ioannis Chatzikonstantinou, Sevil Sariyildiz, Mehmet Fatih Tasgetiren, Evolutionary computation for architectural design of restaurant layouts, CEC 2015, 2279-2286
3. Cemre Ugurlu, Ioannis Chatzikonstantinou, Sevil Sariyildiz, Mehmet Fatih Tasgetiren, Identification of sustainable designs for floating settlements using computational design techniques, CEC 2015: 2303-2310
4. Mehmet Fatih Tasgetiren, Quan-Ke Pan, Damla Kizilay, Gürsel A. Süer, A populated local search with differential evolution for blocking flowshop scheduling problem, CEC2015: 2789-2796
5. Mehmet Fatih Tasgetiren, Quan-Ke Pan, Damla Kizilay, Gürsel A. Süer, A differential evolution algorithm with variable neighborhood search for multidimensional knapsack problem, CEC 2015: 2797-2804
6. Onder Bulut, Mehmet Fatih Tasgetiren: A discrete artificial bee colony algorithm for the Economic Lot Scheduling problem with returns. IEEE Congress on Evolutionary Computation 2014: 551-557

7. Damla Kizilay, Mehmet Fatih Tasgetiren, Önder Bulut, Bilgehan Bostan: A discrete artificial bee colony algorithm for the assignment and parallel machine scheduling problem in DYO paint company. IEEE Congress on Evolutionary Computation 2014: 653-660
8. Damla Kizilay, M. Fatih Tasgetiren, Quan-Ke Pan, Ling Wang, "An Iterated Greedy Algorithm for the Hybrid Flowshop Problem with Makespan Criterion", 2014, Computational Intelligence in Production and Logistics Systems (CIPLS) IEEE Symposium, December 9-12, pp 16 – 23, Orlando, USA.
9. Mehmet Fatih Tasgetiren, Quan-Ke Pan, N. Suganthan, I. Ece Dizbay, Metaheuristic Algorithms for the Quadratic Assignment Problem, IEEE SSCI 2013, 978-1-4673-5905-4/13/\$31.00_c 2013 IEEE Singapore.
10. Korhan Karabulut, Mehmet Fatih Tasgetiren, A Discrete Artificial Bee Colony Algorithm for the Team Orienteering Problem with Time Windows, IEEE SSCI 2013, 978-1-4673-5905-4/13/\$31.00_c 2013 IEEE, Singapore
11. Kun Mao, Quan-Ke Pan, Mehmet Fatih Tasgetiren: Lagrangian heuristic for scheduling a steelmaking-continuous casting process. CISched 2013: 68-74
12. Mustafa Secmen, Mehmet Fatih Tasgetiren, Korhan Karabulut: Null control in linear antenna arrays with ensemble differential evolution. SDE 2013: 92-98
13. Korhan Karabulut, Mehmet Fatih Tasgetiren: A discrete artificial bee colony algorithm for the traveling salesman problem with time windows. IEEE Congress on Evolutionary Computation 2012: 1-7
14. Mehmet Fatih Tasgetiren, Önder Bulut, Mehmet Murat Fadiloglu: A discrete harmony search algorithm for the economic lot scheduling problem with power of two policy. IEEE Congress on Evolutionary Computation 2012: 1-8.
15. Junqing Li, Quan-Ke Pan, Ponnuthurai N. Suganthan, Mehmet Fatih Tasgetiren: Solving Fuzzy Job-Shop Scheduling Problem by a Hybrid PSO Algorithm. ICAISC (SIDE-EC) 2012: 275-282
16. Mehmet Fatih Tasgetiren, Önder Bulut, Mehmet Murat Fadiloglu: A discrete artificial bee colony algorithm for the economic lot scheduling problem. IEEE Congress on Evolutionary Computation 2011: 347-353
17. Mustafa Secmen, Mehmet Fatih Tasgetiren: A Differential Evolution Algorithm for the Extraction of Complex Natural Resonance Frequencies of Electromagnetic Targets. ICIC (1) 2011: 131-138
18. Önder Bulut, Mehmet Fatih Tasgetiren, Mehmet Murat Fadiloglu: A Genetic Algorithm for the Economic Lot Scheduling Problem under Extended Basic Period Approach and Power-of-Two Policy. ICIC (2) 2011: 57-65
19. Mehmet Fatih Tasgetiren, Quan-Ke Pan, Ling Wang, Angela Hsiang-Ling Chen: A DE Based Variable Iterated Greedy Algorithm for the No-Idle Permutation Flowshop Scheduling Problem with Total Flowtime Criterion. ICIC (2) 2011: 83-90
20. Evrim Ursavas Guldogan, Önder Bulut, Mehmet Fatih Tasgetiren: A Dynamic Berth Allocation Problem with Priority Considerations under Stochastic Nature. ICIC (2) 2011: 74-82
21. Mehmet Fatih Tasgetiren, Önder Bulut, Mehmet Murat Fadiloglu: A Discrete Artificial Bee Colony Algorithm for the Economic Lot Scheduling Problem. IEEE Congress on Evolutionary Computation 2011: 347-353
22. M. Fatih Tasgetiren, Onder Bulut, Quan-Ke Pan, P. Nagaratnam Suganthan, A Differential Evolution Algorithm for the Median Cycle Problem, IEEE SDE2011.
23. M. Fatih Tasgetiren, Onder Bulut, M. Murat Fadiloglu, A Differential Evolution Algorithm for the Economic Lot Scheduling Problem, IEEE SDE2011.
24. M. Fatih Tasgetiren, Quan-Ke Pan, P. Nagaratnam Suganthan, Angela H-L Chen, A Discrete Artificial Bee Colony Algorithm for the Permutation Flow Shop Scheduling Problem with Total Flowtime Criterion, The World Congress on Evolutionary Computation (CEC2010), p. 137-145.
25. M. Fatih Tasgetiren, P. Nagaratnam Suganthan, Quan-Ke Pan, Rammohan Mallipeddi, Sedat Sarman, An Ensemble of Differential Evolution Algorithms for Constrained Function Optimization, The World Congress on Evolutionary Computation (CEC2010), p. 967-975.

26. Quan-Ke Pan, Mehmet Fatih Tasgetiren, Ponnuthurai Nagarathnam Suganthan and Yun-Chia Liang, Solving Lot-streaming Flow Shop Scheduling Problems Using a Discrete Harmony Search Algorithm, The World Congress on Evolutionary Computation (CEC2010), p. 4134-4142.
27. M. Fatih Tasgetiren, Quan-Ke Pan, Yun-Chia Liang, Sel Ozcan, "A Discrete Artificial Bee Colony Algorithm for the Single Machine Total Weighted Tardiness Problem with Sequence Dependent Setup Times", INISTA2010, International Symposium on INnovations in Intelligent SysTems and Applications, 21-24 June 2010, Kayseri & Cappadocia, TURKEY.
28. M. Fatih Tasgetiren, P. N. Suganthan, Quan-Ke Pan, Ece Ulusans, "A Discrete Artificial Bee Colony Algorithm for the Generalized Traveling Salesman Problem", INISTA2010, International Symposium on INnovations in Intelligent SysTems and Applications, 21-24 June 2010, Kayseri & Cappadocia, TURKEY.
29. M. Fatih Tasgetiren, Quan-Ke Pan, P. Nagarathnam Suganthan, Angela H-L Chen, A Discrete Artificial Bee Colony Algorithm for the Permutation Flow Shop Scheduling Problem with Total Flowtime Criterion, The World Congress on Evolutionary Computation (CEC2010), p. 137-145.
30. M. Fatih Tasgetiren, P. Nagarathnam Suganthan, Quan-Ke Pan, Rammohan Mallipeddi, Sedat Sarman, An Ensemble of Differential Evolution Algorithms for Constrained Function Optimization, The World Congress on Evolutionary Computation (CEC2010), p. 967-975.
31. Quan-Ke Pan, Mehmet Fatih Tasgetiren, Ponnuthurai Nagarathnam Suganthan and Yun-Chia Liang, Solving Lot-streaming Flow Shop Scheduling Problems Using a Discrete Harmony Search Algorithm, The World Congress on Evolutionary Computation (CEC2010), p. 4134-4142.
32. M. Fatih Tasgetiren, P. N Suganthan, Quan-Ke Pan, Yun-Chia Liang, "A Differential Evolution Algorithm with a variable Parameter Search for Real-Parameter Continuous Function Optimization, In the Proceeding of the World Congress on Evolutionary Computation, (CEC2009), pp. 1247-1254, 2009, Norway.
33. M. Fatih Tasgetiren, P.N. Suganthan, Tay Jin Chua, and Abdullah Al-Hajri, "Differential Evolution Algorithms for the Generalized Assignment Problem", In the Proceeding of the World Congress on Evolutionary Computation, (CEC2009), pp. 2606-2613, 2009, Norway.
34. Quan-Ke Pan, P. N Suganthan, M. Fatih Tasgetiren, "A Harmony Search Algorithm with Ensemble of Parameter Sets", In the Proceeding of the World Congress on Evolutionary Computation, (CEC2009), pp. 1815-1820, 2009, Norway.
35. M. Fatih Tasgetiren, Quan-Ke Pan, and Yun-Chia Liang, "A Discrete Differential Evolution Algorithm for Single Machine Total Weighted Tardiness Problem with Sequence Dependent Setup Times", In the Proceeding of the World Congress on Evolutionary Computation, (CEC2008), pp. 2618-2626, 2008, Hong Kong.
36. Quan-Ke Pan, M. Fatih Tasgetiren, Yun-Chia Liang, and P. N, Suganthan, "Upper Bounds on Taillard's Benchmark Suite for the No-Wait Flowshop Scheduling Problem with Makespan Criterion", In the Proceeding of the World Congress on Evolutionary Computation, (CEC2008), pp. 2960-2968, 2008, Hong Kong.
37. S. Z. Zhao, Liang J., P. N. Suganthan, M. Fatih Tasgetiren, "Dynamic Multi-Swarm Particle Swarm Optimizer with Local Search for Large Scale Global Optimization", In the Proceeding of the World Congress on Evolutionary Computation, (CEC2008), Hong Kong, pp. 3846-3853.
38. M. Fatih Tasgetiren, P. N Suganthan, Quan-Ke Pan, Yun-Chia Liang, 2007, "A Genetic Algorithm for the Generalized Traveling Salesman Problem", In the Proceeding of the World Congress on Evolutionary Computation, (CEC2007), 2007, Singapore, p:2382-2389.
39. V. L Huang, A. K Qin, P. N Suganthan , M. Fatih Tasgetiren, "Multi-Objective Optimization Based on Self-Adaptive Differential Evolution Algorithm", In the Proceeding of the World Congress on Evolutionary Computation, (CEC2007), 2007, Singapore, p:3602-3608.

40. M. Fatih Tasgetiren, P. N Suganthan, and Quan-Ke Pan, "A Discrete particle Swarm Optimization Algorithm for the Generalized Traveling Salesman Problem", In the Proceedings of the 9th annual conference on genetic and evolutionary computation, GECCO2007, ACM, London, UK, p: 158-167.
41. Quan-Ke Pan, M. Fatih Tasgetiren, and Yin-Chia Liang, "A Discrete Differential Evolution Algorithm for the Permutation Flowshop Sequencing", In the Proceedings of the 9th annual conference on genetic and evolutionary computation, GECCO2007, ACM, London, UK, p: 126-133.
42. M. Fatih Tasgetiren, Quan-Ke Pan, Yun-Chia Liang, P. N Suganthan, "A discrete differential evolution algorithm for the total earliness and tardiness penalties with a common due date on a single machine", In the Proceedings of the 2007 IEEE Symposium on Computational Intelligence in Scheduling (CISched2007), Hawaii, USA, 2007. p. 271-8.
43. M. Fatih Tasgetiren, Quan-Ke Pan, P. N Suganthan, Yun-Chia Liang, "A discrete differential evolution algorithm for the no-wait flowshop scheduling problem with total flowtime criterion", In the Proceedings of the 2007 IEEE Symposium on Computational Intelligence in Scheduling (CISched2007), Hawaii, USA, 2007. p. 251-8.
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10. Tasgetiren M.F., Smith A. E, Liang Y-C., 2005, "Particle Swarm Optimization and Differential Evolution Algorithms for Continuous Function Optimization Problems" YAEM2005, Koc University, Conference presentation, Istanbul, Turkey

PROFESSIONAL AFFILIATIONS AND ACTIVITIES

Elsevier Swarm and Evolutionary Computation - **Associate Editor (2015-present)**

Institute of Electrical and Electronics Engineers (IEEE) - **Senior Member**

IEEE Evolutionary Computation Technical Committee Member (2016-present)

IEEE Evolutionary Computation Committee Task Force on Differential Evolution (2012-present)

Special Sessions:

2011 Special Session on Artificial Bee colony Algorithm, CEC2011, New Orleans, USA

2014 Special Session on Artificial Bee Colony Algorithm, WCCI2014, Beijing, China

2015 Special Session on Evolutionary Computation in Architectural Design, CEC2015, Sendai, Japan.

2016 Special Session on Evolutionary Computation in Architectural Design, WCCI2016, Vancouver, Canada.

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2006 July Department of Electrical and Electronics, Nanyang Technological University, Singapore

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Reviewer for journals including IEEE Transaction on Evolutionary Computation, IEEE Transaction on Systems, Man and Cybernetics, European Journal of Operational Research, Computers and Operations Research, Computers and Industrial Engineering, Journal of Heuristics, International Journal of Production Economics, Journal of Artificial Evolution, Journal of Swarm Intelligence, International Journal of Engineering Optimization, Expert Systems with Applications, Journal of Information Science, Journal of Global Optimization, applied mathematical modelling, applied mathematics and computation, swarm and evolutionary computation

COURSES INSTRUCTED

Graduate Courses:

- Intelligent manufacturing systems (Sakarya University)
- Sequencing and scheduling (Sakarya University)
- **Heuristic optimization (Yasar University, 2009-2016)**
- **Advanced Sequencing and Scheduling (Yasar University, 2009-2016)**
- Advanced Production Planning and Control (University of Puerto Rico at Mayaguez, 2001-2002)

Undergraduate Courses:

- Systems Simulation (Auburn University, 1999)
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- Engineering Economy (University of Alabama in Tuscaloosa, 2000)
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- Engineering Statistics I (University of Alabama in Tuscaloosa, 2000)
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- Production Planning and Control (University of Alabama in Tuscaloosa, 2001-2002)
- Operations Management (Sultan Qaboos University, 2006-2009)
- Introduction to Management Science (Sultan Qaboos University, 2008-2009)
- Supply Chain Management (Sultan Qaboos University, 2008-2009)
- Special Topics in Operations Management (Sultan Qaboos University, 2006-2009)
- **Production Planning and Control I (Yasar University, 2009-2016)**
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- **Introduction to Sequencing and Scheduling (Yasar University, 2009-2016)**
- **Enterprise Resource Planning (ERP) with CANIAS ERP Software (Yasar University, 2009-2016)**
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- **Senior IE Design Project I (Yasar University, 2009-2016)**
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1. Mehmet Sevkli, "Particle swarm optimization and differential Evolution Algorithm for Job-Shop Scheduling", Industrial Eng. Dept., Istanbul Technical University, Istanbul, Turkey, 2002-2006.
2. Ozgur Uysal, "Comparison of Genetic Algorithm and Particle Swarm Optimization Algorithms for Bicriteria Permutation Flowshop Sequencing Problem", Industrial Eng. Dept, Marmara University, Istanbul, Turkey, 2002-2006.
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4. Eliecer Gutierrez Garcia., "An integrated approach for lot sizing and scheduling problems using meta-heuristics: Genetic Algorithms and Simulated Annealing", Industrial Eng. Dept, University of Puerto Rico, Mayaguez, 2002.
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7. Kerem Kose, "Supplier Selection in Supply Chain Management", Department of Management, Fatih University, Istanbul, 2005
8. İkbal Ece Uluşans, "A Discrete Differential Evolution Algorithm with a local Search for the Generalized Traveling Salesman Problem", Department of Management, Yasar University, 2010.
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12. Mert Paldrak, "An Ensemble of Differential Evolution Algorithms with Variable Neighborhood Search for Constrained Real Parameter Optimization Problems", Industrial Engineering Department, Yasar University, 2016.

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