

Recent Refereed International Conferences/Symposiums/Workshops:

1. Saptarshi Chakraborty, Debolina Paul and **Swagatam Das**, Automated Clustering of High-dimensional Data with a Feature Weighted Mean Shift Algorithm, *AAAI 2021 (35th AAAI Conference on Artificial Intelligence)*, Accepted, 2021 (arxiv link: <http://arxiv.org/abs/2012.10929>).
2. Sayak Dey, Swagatam Das, and Rammohan Mallipeddi. The sparse minmax k-means algorithm for high-dimensional clustering, *IJCAI 2020 (29th International Joint Conference on Artificial Intelligence)*, pp. 2103 - 2110, 2020.
3. Saptarshi Chakraborty, Debolina Paul, Swagatam Das, and Jason Xu. Entropy regularized power k-means clustering, *AISTATS 2020 (The 23rd International Conference on Artificial Intelligence and Statistics)*, pp. 691 - 701, Palermo, Sicily, Italy, June 3 - 5, 2020.
4. Abhishek Kumar, **Swagatam Das**, and Ivan Zelinka. A modified covariance matrix adaptation evolution strategy for real-world constrained optimization problems. In *ACM Proceedings of the 2020 Genetic and Evolutionary Computation Conference Companion (GECCO '20)*. Association for Computing Machinery, New York, NY, USA, 11–12. DOI: <https://doi.org/10.1145/3377929.3398185>.
5. Abhishek Kumar, **Swagatam Das**, and Ivan Zelinka. A self-adaptive spherical search algorithm for real-world constrained optimization problems. In *ACM Proceedings of the 2020 Genetic and Evolutionary Computation Conference Companion (GECCO '20)*. Association for Computing Machinery, New York, NY, USA, 13–14. DOI:<https://doi.org/10.1145/3377929.3398186>
6. Sankha Subhra Mullick, Shounak Datta, **Swagatam Das**. Generative Adversarial Minority Oversampling, *International Conference on Computer Vision (ICCV 2019)*, Seoul, Korea, Accepted, Oct. 27 - Nov. 02, 2019 (arxiv link: <https://arxiv.org/abs/1903.09730>).
7. Debolina Paul, Saptarshi Chakraborty, **Swagatam Das**, and Ivan Zelinka. On the non-convergence of differential evolution: some generalized adversarial conditions and a remedy. In *Proceedings of the Genetic and Evolutionary Computation Conference Companion (GECCO '19)*, Manuel López-Ibáñez (Ed.). ACM, New York, NY, USA, 265-266. DOI: <https://doi.org/10.1145/3319619.3322007>.
8. Quoc Bao Diep, Ivan Zelinka, and **Swagatam Das**. Self-organizing migrating algorithm for the 100-digit challenge, In *Proceedings of the Genetic and Evolutionary Computation Conference Companion (GECCO '19)*, Manuel López-Ibáñez (Ed.). ACM, New York, NY, USA, 3-4. DOI: <https://doi.org/10.1145/3319619.3326750>.
9. Arka Ghosh, Rammohan Mallipeddi, Swagatam Das, Asit Kr. Das: A Switched Parameter Differential Evolution with Multi-donor Mutation and Annealing Based Local Search for Optimization of Lennard-Jones Atomic Clusters. *IEEE Congress on Evolutionary Computation (CEC) 2018*: 1-8, Brazil.

10. Arka Ghosh, Swagatam Das, Bijaya Ketan Panigrahi, Asit Kumar Das: A noise resilient Differential Evolution with improved parameter and strategy control. *IEEE Congress on Evolutionary Computation (CEC)* 2017: 2590-2597, Spain.
11. Nanda Dulal Jana, Jaya Sil, Swagatam Das: Protein Structure Optimization in 3D AB off-lattice model using Biogeography Based Optimization with Chaotic Mutation. *4-th ACM IKDD Conference on Data Sciences (CODS)* 2017: 6:1-6:7, India.
12. Avisek Gupta, Swagatam Das: On the Unification of k-Harmonic Means and Fuzzy c-Means Clustering Problems under Kernelization. 9-th *International Conference on Advances in Pattern Recognition (ICAPR)* 2017: 1-6, IEEE, Bangalore, India.
13. Nanda Dulal Jana, Jaya Sil, Swagatam Das: An Improved Harmony Search Algorithm for Protein Structure Prediction Using 3D Off-Lattice Model. *International Conference on Harmony Search and Applications (ICHSA)* 2017: 304-314
14. Aditya Panda, Rammohan Mallipeddi, Swagatam Das: Particle swarm optimization with a modified learning strategy and blending crossover. *IEEE SSCI 2017*: 1-8, Hawaii, USA.
15. Nanda Dulal Jana, Jaya Sil, Swagatam Das: Improved Bees Algorithm for Protein Structure Prediction Using AB Off-Lattice Model. *21-st International Conference on Soft Computing, MENDEL 2015*: 39-52, Brno, Czech Republic.
16. Swagatam Das, Arka Ghosh, Sankha Subhra Mullick: A Switched Parameter Differential Evolution for Large Scale Global Optimization - Simpler May Be Better. *21-st International Conference on Soft Computing, MENDEL 2015*: 103-125, Brno, Czech Republic.
17. Nanda Dulal Jana, Jaya Sil, Swagatam Das: Particle Swarm Optimization with population adaptation. *IEEE Congress on Evolutionary Computation (CEC) 2014*: 573-578, Beijing, China.
18. Subhodip Biswas, Mohammad A. Eita, Swagatam Das, Athanasios V. Vasilakos: Evaluating the performance of Group Counseling Optimizer on CEC 2014 problems for Computational Expensive Optimization. *IEEE Congress on Evolutionary Computation (CEC) 2014*: 1076-1083, Beijing, China.
19. Ritambhar Burman, Swagatam Das, Zeeshanul Haque, Athanasios V. Vasilakos, Soumyadeep Chakrabarti: The Monarchy Driven Optimization technique. *IEEE Congress on Evolutionary Computation (CEC) 2014*: 3008-3015, Beijing, China.
20. Subhodip Biswas, Swagatam Das, P. N. Suganthan, C. A. Coello Coello: Evolutionary multiobjective optimization in dynamic environments: A set of novel benchmark functions. *IEEE Congress on Evolutionary Computation (CEC) 2014*: 3192-3199, Beijing, China.
21. Satrajit Mukherjee, Bodhisattwa Prasad Majumder, Aritran Piplai, Swagatam Das: A novel fuzzy non-homogeneity measure based kernelized image segmentation for noisy images. *FUZZ-IEEE 2014*: 245-252, Beijing, China.
22. Rupam Kundu, Rohan Mukherjee, Swagatam Das, A. V. Vasilakos, "Multi-user detection in multi-carrier CDMA wireless broadband system using a binary adaptive differential evolution algorithm", *Genetic and Evolutionary Computation Conference (GECCO)* 2013, Pages 1245-1252, Amsterdam, The Netherlands, July 6 – 10, 2013.

23. Souvik Kundu, Subhodip Biswas, Swagatam Das, P. N. Suganthan, "Crowding-based local differential evolution with speciation-based memory archive for dynamic multimodal optimization", *Genetic and Evolutionary Computation Conference (GECCO)* 2013, pp. 33 – 40, Amsterdam, The Netherlands, July 6 – 10, 2013.
24. Subhodip Biswas, Souvik Kundu, Swagatam Das, P. N. Suganthan, "Information sharing in artificial bee colonies for detecting multiple niches in non-stationary environments ", *Genetic and Evolutionary Computation Conference (GECCO Companion)* 2013, Amsterdam, The Netherlands, July 6 – 10, 2013.
25. Subhodip Biswas, Souvik Kundu, Swagatam Das, P. N. Suganthan, and B. K. Panigrahi, "Enhancing artificial bee colony algorithm with novel perturbation schemes in multiple swarms and migratory foragers", *Swarm Intelligence Symposium (SIS) under IEEE SSCI 2013*, Singapore.
26. Bagepalli Theja, Anguluri Rajasekhar, D. P. Kothari and Swagatam Das, "Design of PID Controller Based Power System Stabilizer Using a Modified Philip-Heffron's Model: An Artificial Bee Colony Approach", *Swarm Intelligence Symposium (SIS) under IEEE SSCI 2013*, Singapore.
27. Rupam Kundu, Rohan Mukherjee, Swagatam Das and Athanasios Vasilakos, Adaptive Differential Evolution with Difference Mean Based Perturbation for Dynamic Economic Dispatch Problem, *Symposium on Differential Evolution (SDE) under IEEE SSCI 2013*, Singapore.
28. Anguluri Rajasekhar, Swagatam Das, and Sanjoy Das, μ ABC: A Micro Artificial Bee Colony Algorithm for Large Scale Global Optimization, *Genetic and Evolutionary Computation Conference (GECCO)*, Pages 1399 - 1400, Philadelphia, USA, July 7 – 11, 2012.
29. Md. Nasir, Soumyadip Sengupta, Swagatam Das, and Sanjoy Das, Configuration of Sensors on a 3-D Terrain: An Approach Based on Evolutionary Multi-objective Optimization, *Genetic and Evolutionary Computation Conference (GECCO)*, Pages 1443 - 1444, Philadelphia, USA, July 7 – 11, 2012.
30. Soumyadip Sengupta, Swagatam Das, Md. Nasir, Athanasios V. Vasilakos, and Witold Pedrycz, Energy-Efficient Differentiated Coverage of Dynamic Objects using an Improved Evolutionary Multi-objective optimization Algorithm with Fuzzy-Dominance, *IEEE Congress on Evolutionary Computation (CEC)* under WCCI 2012, Brisbane, Australia, June 10 – 15, 2012.