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Joined the Institute in July 2018

About

Hello, welcome to my home page. I am an Assistant Professor in the Department of Computer Science and Engineering, Indian Institute of Information Technology Guwahati (IIIT G). I joined IIITG in July, 2018. Prior to that, I did PhD from Indian Institute of Technology Patna. I have worked as a Postdoctoral research fellow in the Center for Research and Advanced Studies of the National Polytechnic Institute (CINVESTAV-IPN), Mexico City, Mexico

Research Interests

Algorithms in Evolutionary Computation, Cluster Analysis.

Teaching

I will teach Data Structures and Algorithms.

Publication

Conference

- S. Mishra, S. Moulik and V. Prakash, "Invalid Scenarios of External Cluster Validity Indices: An Analysis Using Bell Polynomial", IEEE International Conference on Systems, Man, and Cybernetics (SMC), (2021), Melbourne, Australia,Rank - B

- umit Mishra, Sriparna Saha and Samrat Mondal, "MBOS: Modified Best Order Sort Algorithm for Performing Non-dominated Sorting", IEEE Congress on Evolutionary Computation (CEC 2018), (2018), Rio de Janeiro, Brazil (accepted)

- Sumit Mishra and Carlos A. Coello Coello, "P-ENS: Parallelism in Efficient Non-dominated Sorting", IEEE Congress on Evolutionary Computation (CEC 2018), (2018), Rio de Janeiro, Brazil (accepted)

- Sumit Mishra, Sriparna Saha and Samrat Mondal, "On Evaluation of Entity Matching Techniques for Bibliographic Database", International Conference on Advances in Computing, (2018), Communications and Informatics (ICACCI 2018), Bangalore, India (accepted)

- Sumit Mishra, Sriparna Saha and Samrat Mondal, "Obtaining the upper bound on the number of non-dominated fronts in a Population", International Conference on Advances in Computing, (2018), Communications and Informatics (ICACCI 2018), Bangalore, India (accepted)

- Sumit Mishra, Sriparna Saha and Samrat Mondal, "Unsupervised Method to Ensemble Results of Multiple Clustering Solutions for Bibliographic Data", IEEE Congress on Evolutionary Computation (CEC 2017), (2017), pages. 1459 - 1466, Donostia - San Sebastián, Spain

- Sumit Mishra, Sriparna Saha and Samrat Mondal, "An Automatic Framework for Entity Matching in Bibliographic Databases", IEEE Congress on Evolutionary Computation (CEC 2016), Vancouver, Canada, (2016), pages. 271 - 278,

- Sumit Mishra, Sriparna Saha and Samrat Mondal, "Divide and Conquer Based Non-dominated Sorting for Parallel Environment", IEEE Congress on Evolutionary Computation (CEC 2016), Vancouver, Canada, (2016), pages. 4297 - 4304,

- Sumit Mishra, Samrat Mondal and Sriparna Saha, "Fast Implementation of Steady State NSGA-II", IEEE Congress on Evolutionary Computation (CEC 2016), Vancouver, Canada, (2016), pages. 3777 - 3784,

- Sumit Mishra, Sriparna Saha and Samrat Mondal, "Cluster Validation Techniques for Bibliographic Databases", IEEE TechSym 2014, Kharagpur, (2014), pages. 93 - 98,

- Sumit Mishra, Sriparna Saha and Samrat Mondal,, "On Validation of Clustering Techniques for Bibliographic Databases", 22nd International Conference on Pattern Recognition (ICPR 2014), Stockholm, Sweden, (2014), pages. 3150 - 3155,

- Sumit Mishra, Samrat Mondal and Sriparna Saha, "Entity Matching Technique for Bibliographic Database", 24th International Conference on Database and Expert Systems Applications (DEXA 2013), (2013), pages. 34 - 41, Prague, Czech Republic

Journal

- Sumit Mishra, Sriparna Saha and Samrat Mondal, "GAEMTBD: Genetic Algorithm based Entity Matching Techniques for Bibliographic Databases", Applied Intelligence,vol. 46, (2017), pages. 1 - 34,

- Sumit Mishra, Samrat Mondal and Sriparna Saha, "Improved Solution to the Non-Domination Level Update Problem", Applied Soft Computing,vol. 60, (2017), pages. 336 - 362,

- Sumit Mishra, Samrat Mondal and Sriparna Saha, "Sensitivity - An Important Facet of Cluster Validation Process for Entity Matching Technique", Transactions on Large-scale Data and Knowledge-Centered Systems,vol. 29, (2016), pages. 1 - 39,

- Sumit Mishra, Sriparna Saha and Samrat Mondal, "A multiobjective optimization based entity matching technique for bibliographic databases", Expert Systems with Application,vol. 65, (2016), pages. 100 - 115,

- Sumit Mishra, Samrat Mondal, Sriparna Saha and Carlos A. Coello Coello, "GBOS: Generalized Best Order Sort Algorithm for Non-dominated Sorting", Swarm and Evolutionary Computation (accepted), (0),

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