Curriculum vitae

Dr. Sachchida Nand Chaurasia, PhD.
Email: sachchidanand.mca07@gmail.com

Current Affiliation

Assistant Professor
Department of Computer Science
Banaras Hindu University
Varanasi - 221005
Mobil No.: +95 9492425485
Email: snchaurasia@bhu.ac.in

Professonal Appointment

02/03/2020 – 11/10/2020	Research fellow in the School of Computer Science and Engineering at Nanyang Technological University, Singapore.
06/2018 – 16/02/2020	PostDoctoral Research Associate at School of Electronic Engineering and Computer Science, Queen Mary University of London, United Kingdom. Advisor: Prof. Edmund Kieran Burke, Deputy Vice-Chancellor, University of Leicester, United Kingdom.
06/2018 – 16/02/2020	Second supervisor of a PhD student at Queen Marry University of London.
07/2017 – 05/2018	Research Professor at Research Center for Disaster Prevention Science and Technology, Korea University, South Korea. Advisor: Prof. Joong Hoon KIM, Dean, College of Engineering, Korea University, Seoul, South Korea.
10/2015 – 04/2016	Post-Doctoral research fellow at Faculty of Engineering and Technology, Liverpool John Moores University, Liverpool, United Kingdom. Advisor: Dr. T. T. Nguyen.

Research Interest

My research interest is focused in the area of Heuristic & Metaheuristic, Hyper-heuristic, Evolutionary & Swarm Intelligence Techniques, Harmony Search Algorithm for Combinatorial Optimization and Continuous Problems, Intelligent system and machine learning and Graph Theory.

Courses Taught

1. Problem solving using C programming language
2. Object oriented programming concept using JAVA
3. Deep Learning

Education

2010 - 2016 **PhD in Computer Science, University of Hyderabad, Hyderabad, India**

Thesis Title: Evolutionary Techniques for Some Combinatorial Optimization Problems Supervisor: Prof. Alok Singh (http://scis.uohyd.ac.in/~alokcs/), Professor, University of Hyderabad, Hyderabad, India

2007 - 2010 **MCA- Computer Science, University of Hyderabad, Hyderabad, India**

Modules included: Structured Programming, Software Engineering (Including Object Oriented Theory), Networks and Communication Systems, C, C++, Compiler, DBMS, Linux operating system.

Publications

Journal paper

1. **Sachchida Nand Chaurasia,** J. H. Kim**, "An Evolutionary algorithm based hyper-heuristic framework for the set packing problem",** Information Sciences, Elsevier, Vol 505, 1-31, 2019. SCI Impact factor: 6.795. Indexed in Scopus and DBLP. ISSN No.: 0020-0255.

2. **Sachchida Nand Chaurasia** and Alok Singh, "**A Hybrid swarm intelligence approach to the registration area planning problem**", Information Sciences, Elsevier, Vol 302, 50-69, 2015. SCI Impact factor: 6.795. Indexed in Scopus and DBLP. ISSN No.: 0020-0255.

3. **Sachchida Nand Chaurasia** and Alok Singh, "**Hybrid evolutionary approaches for the single machine order acceptance and scheduling problem**". Applied Soft Computing, Elsevier, 2016. Vol- 52, 725-747, 2017. SCI Impact factor: 6.725. Indexed in Scopus and DBLP. ISSN No.: 1568-4946.

4. **Sachchida Nand Chaurasia** and Alok Singh, " **A hybrid heuristic for dominating tree problem**", Soft Computing, Springer-Verlag, Vol 20 (1), 377-397, 2016. SCI Impact factor: 3.643. Indexed in Scopus and DBLP. ISSN No.: 1433-7479.

5. **Sachchida Nand Chaurasia** and Alok Singh, "**A hybrid evolutionary algorithm with guided mutation for minimum weight dominating Set**", Applied Intelligence, Springer-Verlag, Vol 43 (3), 512-529, 2015. SCI Impact factor: 5.086. Indexed in Scopus and DBLP ISSN No.: 1573-7497.

6. **Sachchida Nand Chaurasia** and Alok Singh, "**A hybrid evolutionary approach to the registration area planning problem**", Applied Intelligence, Springer-Verlag, Vol 41 (4), 1127-1149, 2014. SCI Impact factor: 5.086. Indexed in Scopus and DBLP. ISSN No.: 1573-7497.

7. **Sachchida Nand Chaurasia**, Shyam Sundar and Alok Singh, "**Hybrid metaheuristic approaches for the single machine total stepwise tardiness problem with release dates**". Operational Research, Springer-Verlag, Vol. 17(1), 275–295, 2016. SCI Impact factor: 12.410. Indexed in Scopus and DBLP. ISSN No.: 1866-1505.

8. **Sachchida Nand Chaurasia**, Shyam Sundar and Alok Singh, "**A hybrid evolutionary approach for set packing problem**", OPSEARCH, Springer-Verlag, vol 52 (2), 271-284, 2014. Indexed in Scopus. ISSN No.: 0975-0320.

Conference paper

9. Shyam Sundar, **Sachchida Nand Chaurasia** and Alok Singh, "**An ant colony optimization approach for the dominating tree problem**", International conference on Swarm, Evolutionary and Memetic Computing (SEMCOO-2015). Volume 9873, 143-153, LNCS-Springer-Verlag. ISBN: 978-3-319-48958-2. Indexed in Scopus, DBLP.

10. **Sachchida Nand Chaurasia**, S. Sundar, D. Jung, H. M. Lee and J. H. Kim, "**An evolutionary algorithm based hyper-heuristic for the job-shop scheduling problem with no-wait constraint**", International Conference on Harmony Search, Soft computing and Applications (ICHSA- 2018). Volume 741, 249-257, AISC-Springer-Verlag. ISBN:978-981-13-0761-4. Indexed in Scopus, DBLP. Indexed in Scopus.

11. **Sachchida Nand Chaurasia**, D. Jung, H. M. Lee and J. H. Kim, "**An evolutionary algorithm based hyper-heuristic for the set packing problem**". International Conference on Harmony Search, Soft computing and Applications (ICHSA- 2018). Volume 741, 259-268, AISC-Springer-Verlag. ISBN:978-981-13-0761-4. Indexed in Scopus, DBLP. Indexed in Scopus. Contribution shares (%): 90:10. **Best paper award.**

12. **Sachchida Nand Chaurasia** and J. H. Kim, "**An artificial bee colony based hyper-heuristic for the single machine order and acceptance problem**". International Conference on Recent Trends in Operations Research and Statistics (RTORS-2017). Pages 51-63, Decision Science in Action-Springer-Verlag. ISBN: 978-981-13-0860-4. Indexed in Scopus.

13. Y. H. Choi, S. Eghdami, T. T. Ngo, **Sachchida Nand Chaurasia** and J. H. Kim, "**Comparison of Parameter-setting-free and Self-Adaptive Harmony Search**". International Conference on Harmony Search, Soft computing and Applications (ICHSA-2018). Volume 741, 105-112, AISC-Springer-Verlag. ISBN:978-981-13-0761-4. Indexed in Scopus, DBLP.

Awards, Fellowships and Professional Activities

1. Qualified National Eligibility Test (UGC- NET) in June 2015.
2. Basic Scientific Research Fellowship (funded by University Grants Commission) from October 2013 to June 2015.
3. Junior Research Fellowship (under a Department of Science and Technology, Government of India, Project entitled "An Investigation into the Capabilities of Artificial Bee Colony Algorithm for Discrete Optimization") from August 2011 to March 2013.
4. Programme committee member and reviewer for the International Conference on Soft Computing for Problem Solving (SocProS)-2017 at Indian Institute of Technology, Bhubaneswar .

5. Programme committee member and reviewer for the International Conference on Recent Trends in Operations Research and Statistics (RTORS)- 2017 at Indian Institute of Technology, Roorkee.
6. Reviewer for computational intelligence an international journal, Applied Soft Computing journal, Expert Systems With Applications, Engineering Applications of Artificial Intelligence, Elsevier.
7. Paper presented at RTORS-2017, IIT Roorkee, India.
8. Papers presented at ICHSA-2018, BML University, Gurugram, India.
9. Poster session presented in the school of Electronic Engineering and Computer Science at Queen Mary University of London.

Other Links

1. Skype ID: sacchi_1983

2. GOOGLE-SCHOLAR

3. DBLP

4. SCOPUS ID:56374333400

5. RESEARCH GATE

6. RESEARCHERID:E-1946-2016

7. ORCID : https://orcid.org/0000-0002-0635-0808

References

1. **Prof. Alok Singh** (Phd Supervisor)
Professor
School of Computer & Information Sciences
University of Hyderabad
Central University P.O , Hyderabad -500046, India
Phone number: +91-40-23134011
Email Address : alok.jk@gmail.com

2. **Prof. Bapi Raju Surampudi** (PhD DRC member)
Professor
International Institute of Information Technology
Gachibowli, Hyderbad - 500 032, India
Phone: 040-6653 1000 Ext: 1526
Email Address : raju.bapi@iiit.ac.in

3. **Prof. Joong Hoon KIM** (PostDoctoral Advisor)
Professor
School of Civil, Environmental and Architectural Engineering, Korea University,
136-713, Seoul, South Korea
Phone number: +82 2 3290 3316
Email Address: jaykim@korea.ac.kr