

**Special Session
on
("Recent Advances in Evolutionary Computation")
International Conference on Computational Intelligence and Data Science
(ICCIDS 2018)
<http://iccids2018.ncuindia.edu/>**

**7-8th April, 2018
at**

The NorthCap University, Gurugram

AIM: Our aim is to highlight an ongoing research on new and exciting computer paradigms together with their applications in various domains. The new computing paradigms have now invaded and revolutionized every sphere of our life. The research and technological advances in Evolutionary Computation such as Immune Computation, Differential Evolution, Evolutionary Multi-objective optimization and Natural Information Processing have led to pervasive existence of virtually unlimited computing. We aim to provide a leading opportunity to researchers, academicians, and professionals from different background areas to exchange the latest research ideas and research and development in the field of Evolutionary Computation.

SCOPE: The applications of Evolutionary Computation and the properties such as robustness and representation independence, make it possible to extend the scope of optimization algorithms available so far and find answers to problems where classical solution methods fail. Evolutionary algorithms are today a state-of-the-art methodology in solving hard optimization problems, and are regularly being used in industries such as automotive and aerospace. In fact, these algorithms have revolutionized the way hard problems are being solved today. Special session is integrating the Evolutionary Computation methods and different AI techniques to provide solutions to various research problems. Full length original and unpublished research papers based on theoretical or experimental contributions related to the below mentioned tracks (but not limited to) are invited for submission in this special session

- Evolutionary multi-objective optimization
- Theory and applications of evolutionary design
- High Performance Computing
- Next Generation Systems and Services
- Energy Efficient Evolutionary computation
- Genetic algorithm and Its Applications
- Genetic Programming and Its Applications
- Evolutionary Strategies and Its Applications
- Gene Expression Programming and Its Applications

- Ant colony Optimization and Its Applications
- Particle swarm Optimization and Its Applications
- Evolutionary based Hyper-heuristics and Its Applications
- Mimetic Algorithms and Its Applications
- Artificial Immune System and Its Applications
- Tabu Search Algorithm and Its Applications
- Real-life applications of evolutionary design optimisation
- Evolutionary hardware
- Fuzzy logic
- Soft computing

Paper invited for the topic mentioned above and related

PAPER SUBMISSION PROCESS: Please submit your paper (in word/pdf format) at following emails:

Email: ajmer.sani@gmail.com with Subject Line 'Research Paper for Special Session in **ICCIDS 2018**' from your email.

For any further queries related to this special session, please contact the session chairs at:

Email ID: ajmer.saini@gmail.com Mobile No.: +91-9813687398

Important Dates:

Extended date for submission: 30th January 2018

~~Last date for paper submission: 30th December 2017~~

Notification of Acceptance: 28th February 2018

Last date for camera ready paper: 10th March 2018

Author Registration Deadline: 15th March 2018

Conference date: 7-8 April 2018

All accepted papers will be published in Procedia Computer Science, Elsevier.

Notes for Prospective Authors:

Submitted papers should not have been previously published nor be currently under consideration for publication elsewhere. All papers are refereed through a peer review process. If you have any queries concerning this special session, please email the convener : nidhianita@gmail.com or co-convener : ajmer.saini@gmail.com

Session Chair



Dr. Anita Singhrova is Professor, Dean Faculty of Information Technology and Computer Science at Deenbandhu Chottu Ram University of Science and Technology, Murthal, Sonapat, India. She holds a Ph.D degree from GGS Indraprastha University, Delhi, India. She has completed M.E (Computer Science & Engg.) from Punjab Engineering College, Chandigarh, India and B.Tech (Computer Science) from T.I.T&S, Bhiwani, India. She has also been certified as Java

Programmer by Sun Microsystems. She possesses around twenty years of teaching experience. Her research interests include network security, mobile computing and heterogeneous networks. She has contributed in various research papers and articles published in various national and international journals and conferences.

Session co-chair:



Mr. Ajmer Singh obtained the B.Tech. and M.Tech.degree from Kurukshetra University, Kurukshetra, India in 2004 and 2007 respectively and is pursuing Ph.D. from the Deenbandhu Chhoturam University of Science and Technology (DCRUST), Murthal . He is presently working as an Assistant Professor in the Department of Computer Science and Engineering at DCRUST, Murthal, Sonapat, India with more than 10 years' experience of academic and administrative affairs. He has published more than 20 research papers in various International / National Journals and Conferences of repute as author/co-author. He has delivered a number of expert lectures different topics. He has guided several M.Tech and B.Tech projects. His research interests include Software Testing, Information Retrieval, and Data Sciences.