

International Conference

On

**Scientific and Natural Computing**

**(SNC 2021)**

**5<sup>th</sup> - 6<sup>th</sup> Feb 2021**

<https://sites.google.com/view/icsnc>

**Organized by**



**DEPARTMENT OF APPLIED MATHEMATICS  
GAUTAM BUDHHA UNIVERSITY  
Greater Noida  
[www.gbu.ac.in](http://www.gbu.ac.in)**

**Technically Sponsored**

**By**



**Soft Computing Research Society  
[www.scrs.in](http://www.scrs.in)**

### Organizing Committee

#### Chief Patron

Prof. B.P. Sharma, Vice Chancellor,  
Gautam Buddha University, Greater Noida.

#### Patron

Prof. N.P. Melkania, Dean, SOVSAS,  
Gautam Buddha University, Greater Noida

#### General Chair

Dr. Dipti Singh, GBU  
Dr. Amit K. Awasthi, GBU  
Prof. Ivan Zelinka, Technical University of Ostrava  
Prof. Kusum Deep, IIT Roorkee

#### Convener

Dr. Dipti Singh, GBU  
Dr. Amit K. Awasthi, GBU

#### Organizing Secretary

Dr. Sushil Kumar, GBU  
Dr. Pratiksha Saxena, GBU

#### Joint Organizing Secretary

Dr. Amit Ujlayan, GBU  
Dr. Vikas Panwar, GBU  
Dr. Fahed Zulfiqarr, GBU

#### Technical Committee

Dr. Jagdish Chand Bansal, SAU, Delhi  
Dr. Kedar Nath Das, NIT Silchar  
Dr. Manoj Thakur, IIT Mandi  
Dr. Seema Agarwal, SSVPG, Hapur  
Dr. Pradeep Tomar, GBU  
Dr. Sandeep Sharma, GBU  
Dr. M.A. Ansari, GBU  
Dr. Ajay Vikram Singh, AU, Noida

### International Advisory Committee

Prof. Andries P. Engelbrecht, University of Stellenbosch, South Africa  
Prof. Montaz Ali, Witwatersrand University South Africa  
Prof. Ajit Kumar Verma, Western Norway University of Applied Sciences, Haugesund, Norway  
Prof. Mary Tom CQ University Brisbane  
Prof. Wei-Chiang Hong, Oriental Institute of Technology, Taiwan.  
Prof. Patrick Siarry, University of Paris, France  
Prof. Ferrante Neri, University of Nottingham, UK  
Prof. Efren Mezura Montes, University of Veracruz, Mexico  
Prof. Atma Sahu, Coppin State University, USA  
Prof. Dipankar Das Gupta, University of Memphis, USA  
Prof. Zong Woo Geem, Gachon University, Korea

### National Advisory Committee

Prof. Kusum Deep, IIT Roorkee, Roorkee  
Prof. Sunder Lal, Ex Vice-Chancellor, Agra University  
Prof. D.K. Lobiyal, JNU, Delhi  
Dr. Manoj Thakur, IIT Mandi  
Dr. Kedar Nath Das, NIT Silchar  
Dr. Jagdish Chand Bansal, SAU, Delhi  
Dr. K.P. Singh, IIIT Allahabad  
Dr. Anupam Yadav, NIT Jalandhar  
Dr. Poonam Bedi, Delhi University  
Dr. Aruna Tiwari, IIT Indore, Indore  
Dr. Shilpa Pal, Delhi Technological University, Delhi  
Dr. Nidhi Singh, GBU  
Dr. Vanita Garg, Galgotia University, Noida  
Dr. Amar Kishore Sharma, MU, Bihar  
Dr. Pinkey Chauhan, IIIT, Noida

## About Gautam Buddha University

Gautam Buddha University is a university established by the Uttar Pradesh Gautam Buddha University Act 2002(UP Act No. 9 of 2002) and came into existence in 2008. It is approved by University Grants Commission (UGC) under section 12-B and accredited by National Assessment and Accreditation Council (NAAC) with B+ grade. It is located in Greater Noida, Gautam Buddha Nagar in Uttar Pradesh, India. It has one of the most iconic infrastructures in the country.

## About SNC 2021

In the present scenario the computational techniques are finding wide applications for problem solving in the field of Engineering and Applied Sciences. SNC 2021 aims to bring together the researchers, engineers and practitioners to present the latest research and innovations in the interdisciplinary areas of soft computing to discuss thought-provoking developments and challenges, in order to select potential future directions. The major objective of the conference is to encourage participation of young researchers carrying out research in the fields related to soft computing in India and abroad.

## Registration Fee

Category	Early Bird Registration	Late Registration
Indian Author	Rs 3000	Rs. 4000
Foreign Author	USD 50	USD 70
Non Author Indian	RS. 500	RS. 750
Non Author Foreign	USD 20	USD 30
SCRS members	Rs. 2000	Rs. 2000
GBU Faculty/Students/Alumni	Rs. 1000	Rs. 1000

## Call For Papers

**Authors are invited to submit their original, unpublished and quality research papers (full length manuscripts) in the areas including but not limited to:**

Self Organizing Migrating Algorithm, Genetic Algorithms, Swarm Intelligence based Techniques, Evolutionary Computing, Chaos Theory, Fuzzy Computing, Probabilistic Computing, Genetic Programming, Particle Swarm Optimisation, Spider Monkey Optimisation, Ant Colony Optimization, Harmony Search, Differential Evolution, Bacterial Foraging Optimisation, Fruit Fly Optimisation, Firefly Algorithm, Drosophila Food search Optimisation, Grey Wolf Optimization, Robotic Simulated Annealing, Stochastic Diffusion Search, Tabu Search, Fuzzy logic, Neuro Computing, Hybrid Methods, Deep learning, including Convolutional Neural Networks, Generative Adversarial Networks and Autoencoders. Other machine learning techniques including Artificial Immune Systems, Artificial Neural Networks, Neuro Fuzzy Systems.

**The application areas of interest include but are not limited to applications of soft computing to:**

Process Optimisation, Bio-Inspired Systems, Data Mining, Data Visualization, Intelligent Agents, Engineering Design Optimization, Multi-objective Optimization, Fault Diagnosis, Decision Support, Robotics, Signal or Image Processing, System Identification and modelling, Systems Integration, Time Series Prediction, Virtual Reality, Vision or Pattern Recognition, Computational Cognition, Medical Imaging, Intelligent Information Retrieval, Motion Control and Power Electronics. Internet of Everything (IOE), Control Systems, Finance, Weather Forecasting, Game Theory, Grid Computing, Scheduling and Timetabling, Supply Chain Management.

## Conference Proceeding

The Conference Proceedings will be published in book series "Algorithms for Intelligent Systems" (<https://www.springer.com/series/16171>)

## Paper Submission

Papers for submission need to be prepared in the Springer format using the templates available online. All the submissions need to be processed online using the link <https://easychair.org/conferences/?conf=snc2021>.

Authors of accepted papers will be allowed to resubmit their camera ready papers after incorporating double blind review comments within the stipulated deadline. Authors need to register themselves in the conference and present their papers personally in online mode.

## Important Dates

<b>Paper submission opens:</b>	1 Oct 2020
<b>Submission closes:</b>	1 Nov 2020
<b>Review notification:</b>	15 Nov 2020
<b>Camera ready submission:</b>	15 Dec 2020
<b>Online registration opens:</b>	15 Dec 2020
<b>Early bird registration closes:</b>	10 Jan 2021
<b>Registration closes:</b>	25 Jan 2021

## Payment Details

The account details for online payment are -

**Name of Beneficiary:** Gautam Buddha University

**Bank Account No. :** 6660000100000672

**IFSC Code :** PUNB0666000, PNB GBU BR Greater Noida

## Contact Details

Dr. Dipti Singh: [dipti@gbu.ac.in](mailto:dipti@gbu.ac.in)

Dr. Amit K.Awasthi: [amitkawasthi@gbu.ac.in](mailto:amitkawasthi@gbu.ac.in)

Website: <https://sites.google.com/view/icsnc>