



International Centre for Interdisciplinary Research and Innovation
Chapel Road, Abids, Hyderabad-500001

Announces the organization of the
Conference on Evolutionary Computation – Theory, Methods and Applications

with the support from: Department of Information and Technology,
Stanley College of Engineering and Technology for Women's

Tentative Dates: April 21-23, 2016

About INCIRI

International Centre for Interdisciplinary Research and Innovation (INCIRI) is an independent organization devoted for Interdisciplinary Research and Innovation, and is headed by Professor V.Sree Hari Rao, CEO /Executive Director. The main objectives of INCIRI are to promote high quality interdisciplinary research in Science, Engineering and technology and also to develop Products, Patents, besides contributing to the collaborative research in world over. The lectures will be conducted in the Auditorium of Stanley College of Engineering and Technology, Hyderabad.

Evolutionary Computing is the collective name for a range of problem-solving techniques based on principles of biological evolution, such as natural selection and genetic inheritance. These techniques are being increasingly widely applied to a variety of problems, ranging from practical applications in industry and commerce to leading-edge scientific research. In computer science, **evolutionary computation** is a subfield of artificial intelligence (more particularly computational intelligence) that can be defined by the type of algorithms it is concerned with. These algorithms, called **evolutionary algorithms**, are based on adopting Darwinian principles, hence the name. Technically they belong to the family of trial and error problem solvers and can be regarded as global optimization methods with a meta heuristic or stochastic optimization character, distinguished by the use of a population of candidate solutions (rather than just iterating over one point in the search space). They are mostly applied for black box problems (no derivatives known), often in the context of expensive optimization.

Call for Papers:

Papers are invited on the following topics but not limited to:

Genetic Algorithms, Swarm Intelligence (Ant Colony Optimization), Particle Swarm Optimization (including multiple Swarms), Neural Networks, Fuzzy Rule Systems, Evolutionary Fuzzy Rule System, Artificial Bees and Fireflies Algorithm, Bacterial Foraging

Optimization, Swarm Robotics, Artificial Immune Systems, Glow Worm Swarm Optimization, Hybridization of Swarm Intelligence Methods, Numerical Algorithms Formulation and Analysis, Review and Comparative Studies of Swarm Intelligence Techniques, New Methodologies inspired from learning behaviour of Social Insects, Theory and Practice of Swarm Intelligence Methods in different domains, Real World Problem Solving using Swarm Intelligence Methods.

Authors of high quality papers will be invited to submit their expanded versions to be considered for publication in the expand for IT Swarm **Intelligence (ISSN)**. These papers will be reviewed along the Standards prescribed for this Journal.

Interested participants are requested to the submit the full length paper for presentation at the conference by 28th –Feb-2016.

Important Dates:

Conference Dates: Apr 21-23, 2016

Email: director@inciri.in

Registration Fee: Rs 2500/-

It should be sent by Demand Draft payable to **INCIRI** on any bank in Hyderabad.

Local Organizing Committee:

Mr. K.Krishna Rao

Prof .L.SatyaPrasad Lanka

Dr.A.Kanaka Durga

Mr. T. Sandeep,

Mr.G. Shiva Krishna

Ms.G.Dhana Laxmi

Mr. P.Sravan Kumar

Ms. Hema Latha

Ms. S.Lavanaya

Tentative List of Plenary Speakers:

1. **Dr.Jagadish C.Bansal, SAU, Delhi**
2. **Dr. P.Radha Krishna ,Infosys, Hyderabad**
3. **Dr. V.Sree Hari Rao, INCIRI, Hyderabad**
4. **Dr. Kusum Deep ,IIT, Roorkee**
5. **Dr. Sateesh Reddy ,DRDO, Delhi**

Registration Form

Name :(in capital letters as desired in certificates)

Sex: Male/Female _____

Date of Birth (dd/mm/yyyy)_____/_____/_____

Designation and Affiliation: _____

Qualification: _____

Address for Correspondence:

Mobile:_____ Fax:_____

Email:_____

Accommodation needed: Yes/No

Paper Contribution: Yes/No

Title of Paper:_____

Arrival Date:_____ Time:_____

Departure Date:_____ Time:_____

Details of the Demand Draft:

Amount: Rs_____ DD No:_____

Date:_____ DD Issuing Bank:_____

No. of Companions:_____

Date:

Signature of the Participant: