REGISTRATION FEE (PER DELEGATE)
Student Delegates  : Rs.800.00
Delegates from Academic/ Research Institutions  : Rs.1000.00
Delegates from Industries : Rs.1500.00

The Registration fee may be sent in the form of Demand Draft drawn in favour of “K.L.N.College of Engineering” payable at Madurai along with the registration form duly filled in.

The fee includes course material, lunch and refreshment.

No TA/DA will be given.

IMPORTANT DATES
Last date for the receipt of applications  : 04-05-2009
Intimation of acceptance : 06-05-2009

PARTICIPATION
The Faculty members and Students from Engineering & Polytechnic Colleges, Universities, Research Institutions and industries are eligible to participate in PBETDM ’09.

ACCOMMODATION
Accommodation is available at K.L.N.C.E campus for outstation participants on payment basis.

RESOURCE FACULTY
Experts from NITs, Thiagarajar College of Engineering and other Premier Institutions will deliver lectures.

COURSE COVERAGE
- Population Based Evolutionary Techniques
- Genetic Algorithm
- Applications of GA
- Ant Colony Optimization
- Applications of ACO
- Particle Swarm Optimization
- Applications of PSO

COURSE DETAILS
Duration  : 2 Days (11th & 12th May, 2009)
Timings  : 9.00am to 4.30pm
Venue  : Department of Mech. Engineering
K.L.N.College of Engineering,
Pottapalayam.

CONTACT DETAILS
For queries or registration, please contact:
Dr. A. Asha & Dr. A. N. Balaji
Coordinators PBETDM ’09
Department of Mechanical Engineering
K.L.N.College of Engineering
Pottapalayam - 630 611
Sivagangai District, Tamil Nadu.
Phone: 99941 67508 / 99420 97123
E-mail: ashaaa200@yahoo.co.in / balajime@yahoo.com
URL: http://www.klnce.edu/main.html

Two-Day Workshop
on
POPULATION BASED EVOLUTIONARY TECHNIQUES IN DESIGN AND MANUFACTURING
(PBETDM ’09)

Coordinators
Dr. A. Asha
Dr. A. N. Balaji

Co-coordinators
Mr. V. Baskaran
Mr. D. Satheesh Pandian

Organised by
Department of Mechanical Engineering
K.L.N.COLLEGE OF ENGINEERING
Pottapalayam - 630 611
Sivagangai District, Tamil Nadu
Phone: 0452-2090971, 2090972
Fax: 0452-2698280
http://www.klnce.edu
ABOUT THE COLLEGE

K.L.N. College of Engineering is the first self-financing Co-educational Engineering college in Madurai, started in 1994 by Munificence of philanthropist and well wishers in Soursashtra Community, which is a linguistic minority in Tamil Nadu. This college is sponsored by the committee of eminent industrialist and academicians led by enthusiastic, educationalist and industrialist Amaran Thiru. K.L.N. Krishnan.

The courses offered in K.L.N.C.E are approved by All India Council for Technical Education, New Delhi. It is an ISO 9001:2000 certified Institution and affiliated to Anna University, Tiruchirappalli. K.L.N.C.E offers Seven Undergraduate Programmes, Five Postgraduate Programmes and Doctoral Programmes in Engineering and Sciences.

ABOUT THE DEPARTMENT

The Department of Mechanical Engineering is well equipped with qualified and experienced faculty members with research and industrial background. The Department offers B.E degree course in Mechanical Engineering, M.E degree course in CAD/CAM and PhD.

The Department has also been accredited by National Board of Accreditation (NBA), New Delhi. About 20 technical papers have been published by the department faculty in various National and International journals and conferences during the last academic year.

Three staff members of the Department are recognized as supervisors for guiding the scholars leading to Ph.D. / MS (By Research) programme under Anna University Tiruchirappalli.

SCOPE OF THE WORKSHOP

Evolutionary techniques mostly involve metaheuristic optimization algorithms such as:

- evolutionary algorithms (comprising genetic algorithms GA, evolutionary programming EP, evolution strategy ES, genetic programming GP and learning classifier systems)
- swarm intelligence (comprising ant colony optimization ACO and particle swarm optimization PSO)

Evolutionary Algorithms (EA) are nature-inspired population-based search algorithms that have received significant attention since their introduction in the 1970s. The most notable EAs developed initially such as GA, ES and EP can be exploited in industrial design and manufacturing optimization problems. Genetic Algorithm is a relatively recent, and potentially more powerful, technique to evolve novel, robust solutions to hard optimization problems mainly due to its capability to represent solutions as computer programs.

Swarm intelligence is a relatively new discipline that deals with the study of self-organizing processes both in nature and in artificial systems. An example of a particularly successful research direction in swarm intelligence is ant colony optimization, the main focus of which is on discrete optimization problems including the traveling salesman problem, scheduling, vehicle routing, etc., Another interesting approach is that of particle swarm optimization, that focuses on continuous optimization problems.

This workshop is being organized to benefit the teachers/students/engineers who wish to learn the population based evolutionary techniques in design and manufacturing for their future teaching/research activities.

Two-Day Workshop on
POPULATION BASED EVOLUTIONARY TECHNIQUES IN DESIGN AND MANUFACTURING (PBETDM ‘09)

REGISTRATION FORM

Name: ..........................................
(in Block Letters)
Designation: ..........................................
Department: ..........................................
Organization: ..........................................
Address for Communication: ..........................................
(with PIN code)
Phone: ..........................................
Mobile: ..........................................
E-mail: ..........................................
DD No.: Dated:
Bank:
Amount:
Accommodation required: Yes No
Date: Signature of the Participant