

A One-Week Workshop

on

Recent trends on Optimization Techniques in Science and Engineering

(ROTS-2018)

(Under TEQIP – III)

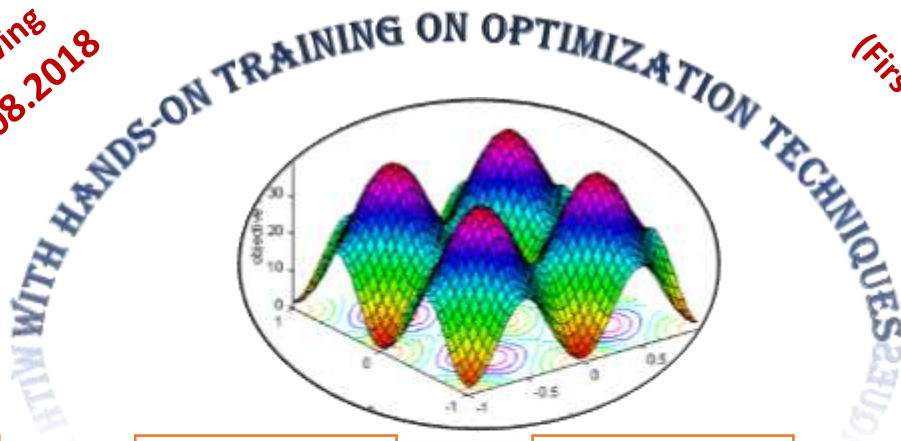
16-20 Aug. 2018

National Institute of Technology, Silchar (Assam)

Organized by: Department of Mathematics & ECE, NIT Silchar



Last date of Receiving
Application: 05.08.2018



Maximum intake: 50
(First come, first served)



Dr. Debjani Chakraborty
IIT Kharagpur



Prof. Anirban Das
UEM, Kolkata



Dr. Anupam Yadav
NIT Uttarakhand



Dr. Satchidanada Dehuri
FM University, Odisha

Course Highlights

- Basics on Object oriented programming, C++, JAVA and Python (Hands-on)
- Concepts on Optimization Techniques
- Concepts on Multi-Objective Optimization
- Genetic Algorithm, Particle Swarm Optimization, Differential Evolution, Ant Colony Optimization for single objective optimization problem (with hands-on training)
- Design and application of Multi-Objective Evolutionary Optimization Algorithms.
- Algorithms on Neural Network and Hands-on training on Optimization software
- Pros and Cons of various meta-heuristics in solving engineering optimization problems
- Various applications of Optimization Techniques in Science and Engineering

Registration Procedure

- Download the registration form available at www.nits.ac.in and fill it completely.
- Get it forwarded by your head / principal / competent authority with official seal.
- Each participant has to pay registration fees via (i) DD in favour of **Director NIT Silchar**, Payable at **State Bank of India, NIT Silchar** branch; or or (ii) online transfer to the account of the Director, NIT Silchar (A/C No.: 10521277057, Branch: NIT Silchar).

Registration Fees:

Internal Students: Rs. 500/-; External Students: Rs. 1000/-; Internal Faculty members: Rs. 1000/-; External Faculty members: Rs. 3000/-; Industry Persons: Rs. 5000/-

- Send the scan copy of the filled application along with payment receipt though mail to kedarnath.nits@gmail.com (original DD will be collected at registration desk)
- **Coordinators:** Dr Kedar Nath Das, Maths. (Mob. 9435176446); Dr Susanta Kumar Tripathy, ECE
- Guest house accommodation (subject to availability) for out station participants:
 - (a) Single room: Rs.350/- (per night) and (b) Double room: Rs. 600/- (per night)

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REGISTRATION FORM

1. Name (in Capital):
2. Designation/Class and Department:
3. Institution/Organization:
4. Address for communication:
5. E mail (Clearly):
6. Mobile No:
7. Highest educational qualification:
8. Paid accommodation required* (Tick): Yes/No
(*in NIT campus, subject to availability): Single / Double
9. Any other information:
10. Details of Registration Fees paid:
 - Mode (Tick as applicable): DD / Online
 - Amount: Rs.
(IMP: Attach DD/online transfer proof with this form)

If the mode is DD, please mention: D. D. No.

Date:

Bank Name:

Place:

Date:

Signature of the applicant

Recommendation by HOD

(Sign. and Seal of HOD)