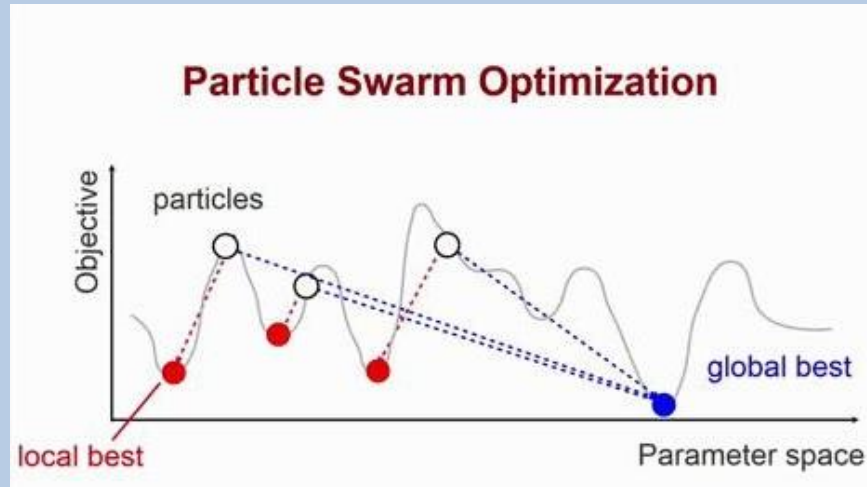


Particle Swarm Optimization and its Variants: Applications and Implementation



Description

Particle Swarm Optimization (PSO) is a famous meta-heuristic optimization algorithm, developed by Kennedy in 1995. Since its introduction in the family of meta-heuristic optimization algorithms, it has been implemented to solve many optimization problems in many domains of mathematical knowledge. Many variants of PSO have been into existences that have shown even better performances than the canonical PSO form. This workshop will discuss how PSO works? And how its variants came into being? Moreover, some problems in power systems' engineering will be discussed that can be solved using PSO and its variants. This will help students in finding research topics for their MS and PhD thesis.

Intended Audience

- Students of MS and PhD electrical power engineering.
- Faculty of electrical power engineering

Duration

- Six hours

Credit points

- One

Fee

- 1000/- per student
- 1500/- per faculty member
- 3000/- per professional

Instructor

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Lecturer

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Venue and Event Schedule

Conference Room

Department of Electrical Engineering
UET Lahore

Time: 9:00 PM – 4:00 PM

Date: 18th of October, 2018 (Thursday).