

SEMINARI I DEPARTAMENTIT TË MATEMATIKËS

“Math UP Seminar”

Kemi kënaqësinë t’ju njoftojmë se ligjërata e radhës në kuadër të Seminarit të Departamentit të Matematikës në FSHMN

ka folës:

Lekë Zajmi (Gjermani/Malajzi)

Orari: 23 maj 2024, 13:00—14:00 (online)

Titulli: Improvement of the Particle Swarm Optimization algorithm for Neural Network Learning, and its usage in industrial research.

Abstrakti: As an inspiration from natural selection of animal groups and human’s neural system, the Artificial Neural Network also known as Neural Networks has become the new computational power which is used for solving real world problems. Neural Networks alone as a concept involve various methods for achieving their success; however, the converging process becomes very slow by only using Particle Swarm Optimization method. This presentation covers a research that has been conducted on enhancing and improving the Particle Swarm Optimization (PSO) by determining the Radius Initial Weight (RIW)

The results constitute that the proposed model provides a higher accuracy and performs better than the standard Particle Swarm Optimization (PSO) and standard Backpropagation (BP) algorithm, for all the datasets received from Machine Learning Benchmark Repository.

Seminari mbahet në anglisht dhe organizohet për një audiencë të gjerë (studentët e vitit të parë janë të mirëseardhur!). Për t’i marrë detajet e qasjes online, ju lutem na shkruani në adresën mathupseminar@gmail.com.