



**1-Day Workshop on**

## **“Applications of soft computing techniques in fields of civil and mining engineering”**

**will be conducted on 25th July, 2020**

**Faculty:**

**Dr. Danial Jahed Armaghani,  
Department of Civil Engineering,  
Faculty of Engineering, University of Malaya.**

### **Introduction**

Artificial intelligence and soft computing techniques are technologies that are poised to transform the way in which humans will interact with machines and the role that machines will play in all spheres of human life. On the one hand, there is the exhilaration and excitement of the immense potential of these technologies to enhance and enrich human life, and on the other hand, there is fear and apprehension of a dystopian future where machines have taken over.

These techniques are considered in a category of computer science involved in the research, design, and application of intelligent computers. Traditional methods for modeling and optimizing complex structure systems require huge amounts of computing resources, and computing-based solutions can often provide valuable alternatives for efficiently solving problems in engineering.

Such techniques, due to making nonlinear and complex relationships between dependent and independent variables, can be performed in the field of engineering with a high degree of accuracy. In this way, many new intelligence models can be introduced for different applications of engineering especially in civil and mining engineering.

## Workshop Courses

- An introduction on the application of soft computing in civil and mining engineering
- A simple use of Artificial neural network as a predictive intelligence system
- A combination of Artificial neural network and particle swarm optimization in solving problems
- A combination of Artificial neural network and imperialism competitive algorithm in solving problems

**Fee per Workshop: US\$ 250.00\*\*\***

**Early Bird Registration: US\$ 200.00\*\*\***

\*\*\*Inclusive of workshop kit, lunch etc.

## Interested Participants may contact the following

The Organizing Secretary for MIC 2020 :

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+60 1117148996 (Malaysia)**

## Workshop Subjects (28th July,2020 One day Workshop on)

1. "Winning a game for publishing high impact journal"
2. "Mining Industry Business TODAY"