

BIT@FK

SEPT 2021 EDITION

Faculty of Computing



اونيورسيتي مليسيا قهغ
UNIVERSITI MALAYSIA PAHANG
FAKULTI KOMPUTERAN



Bulletin highlights

+ ICSECS-ICoCSIM 2021

+ MTE AWARDS 2021

+ INDUSTRY & FRGS GRANTS

+ CHINESE BRIDGE COMPETITION MALAYSIA 2021



www.ump.edu.my

f @ y t
UMPMalaysia

**TEKNOLOGI
UNTUK
MASYARAKAT**

5 STARS
QS RATED FOR EXCELLENCE
2018

801-1000
QS WORLD UNIVERSITY
RANKINGS 2022

#133 ASIA
QS WORLD UNIVERSITY
RANKINGS 2021

Training on Hybrid Metaheuristics and its Applications: From Theory to Implementations

By:
Dr. Mritha Ramalingam

PEKAN, 21 September 2021 - A training on course, 'Hybrid Metaheuristics and its Applications: From Theory to Implementations' was conducted online on 20 and 21 September 2021. This training was organized by Centre for Software Development and Integrated Computing (Software Centre), UMP. The course was trained by an expert in search-based Software Engineering, Professor Ts. Dr. Kamal Zuhairi Zamli, Deputy Vice Chancellor of Research & Development, UMP. This course aimed to introduce the participants with the basics of metaheuristic algorithms and elaborate the different types of hybridization for metaheuristic algorithms. More precisely, the course illustrated how to build low level hybrid, relay based high level hybrid, cooperative high level hybrid and hyperheuristic from scratch. Finally, the course introduced how to support multi-tasking optimization (MTO) approach to simultaneously solve more than one optimization problem in a single run. The participants included Industrial practitioners, research students and researchers.



اونيزرستي مليسيا قهغ
UNIVERSITI MALAYSIA PAHANG

HYBRID METAHEURISTICS AND ITS APPLICATIONS: FROM THEORY TO IMPLEMENTATIONS

LEVEL 1

Training Duration : 2 Days

NOTES & CODES PROVIDED

COURSE OUTLINE

- Introduction to metaheuristics
- Single agent vs population based metaheuristics
- The case for hybridization
- Low level hybrids
- Relay based high level hybrids
- Cooperative based high level hybrids
- Adaptive Controls
- Adaptive parameters
- Adaptive operator selection
- Adaptive population
- Adaptive chaotic maps
- Adaptive opposition based learning

Training Fees:

Individual:	Group (min 3 pax):
Student : RM110 / pax	Student : RM100 / pax
Staff : RM160 / pax	Staff : RM150 / pax

10% discount when you register for Level 2!

Training dates:

20 - 21 September 2021 (Online)
(Level 2 - Multi-tasking Optimization will be conducted in December 2021)

Trainer:

Professor Ts. Dr. Kamal Z Zamli

- ✓ Deputy Vice-Chancellor (Research & Innovation)
UNIVERSITI MALAYSIA PAHANG
- ✓ Professor in Search-based Software Engineering,
Optimization
- ✓ Research Fellow at the Centre for Software
Development & Integrated Computing



Organized by:



CENTRE FOR SOFTWARE DEVELOPMENT
AND INTEGRATED COMPUTING,
UNIVERSITI MALAYSIA PAHANG

Register at:



FOR INQUIRIES,
PLEASE CONTACT PN. NASUHA +6019-4222410