



Fong Cheng Weng

Tunku Abdul Rahman University College,
Johor Branch Campus,
Jalan Segamat/Labis,
85000 Segamat, Johor,
Malaysia.
(012) 799-5815

EDUCATION

Computer Science, Doctor of Philosophy

Feb 2012 – Oct 2014

Universiti Teknologi Malaysia, Skudai Johor, Malaysia

I'm a fast track student (without Master Degree). Passed viva-voce on 11th September 2014 and submitted final thesis on 6th October 2014.

Specialized in Computational Intelligence (CI) and soft computing. Research focuses on application of automation approaches in producing high quality timetable for university timetabling problems (course and examination).

Software Engineering, Bachelor of Computer Science

July 2008 – Feb 2012

Universiti Teknologi Malaysia, Skudai Johor, Malaysia

GPA 3.79/4.0, (First Class)

Specialized in Software (stand alone and web based) development processes (documentary and programming). Studies software project management and construction processes such as software architecture, design and implementation and software quality assurance. Developed a number of prototypes for desktop and web applications.

EXPERIENCE

Part Time Lecturer

May 2014 – Current

Tunku Abdul Rahman College (University College) – TARC UC

Teaching in Programming Subject (C Programming). Experienced in lecturing, marking assignments and tests. Will be joined as full time lecturer after receive the senate letter issues by university.

Programmer, Intern

Jan 2011 – May 2011

Pilotworks-las Sdn Bhd, Skudai Johor, Malaysia.

Worked on team in producing desktop application (Inventory System) for YKK (Malaysia) Sdn. Bhd and CARiNG Pharmacy Malaysia. Created using MS Visual Studio 2008.

MAJOR RESEARCH INTEREST

Meta-heuristics, Optimization Problems, Timetabling/Scheduling, Biometric (Iris Recognition)

LIST OF PUBLICATION

Journal

- J1 Weng, F. C., Asmuni, H. and McCollum, B. (2014). A Hybrid Swarm Based Approach in Addressing University Timetabling Problems. *IEEE Transaction on Evolutionary Computation*. (Conditionally Accepted, Third Revision) Impact Factor 2014: 5.545
- J2 Weng, F. C., Asmuni, H., McCollum, B., McMullan, P. and Omatu, S. (2014). A Hybrid Imperialist Approach in Solving University Timetabling Problems. *Information Sciences*. Vol. 283, 1-21. Impact Factor 2014: 3.643
- J3 Weng, F. C. and Asmuni, H. (2013). An Automated Approach Based on Bee Swarm in Tackling University Examination Timetabling Problem. *International Journal of Electrical and Computer Sciences*, Vol. 13(2), 8-23.

Conference Proceeding

- C1 Weng, F. C., Asmuni, H. and McCollum, B. (2013). *Tackling University Timetabling Problems Using Hybridization of Swarm Based Approach*. In Proceedings of the **6th Multidisciplinary International Scheduling Conference: Theory and Applications**, 27-29 August, Gent, Belgium, 543-548.
- C2 Weng, F. C., Asmuni, H., Lam, W. S., McCollum, B. and McMullan, P. (2014). *A Hybrid Swarm Algorithm for Post-enrollment based Course Timetabling Problem*. In Proceedings of the **14th European Conference on Evolutionary Computation in Combinatorial Optimization**. 23-25 April, Granada, Spain.
- C3 Weng, F. C., Asmuni, H., Lam, W. S., McCollum, B. and McMullan, P. (2014). *A Novel Hybrid Approach for Curriculum based Course Timetabling Problem*. **IEEE Congress on Evolutionary Computation**, 6-11 July, Beijing, China., 544-550.

Reviewer

Peer review on publication of Computer Communication and Collaboration (Better Advance Press Academic Journal)

SKILLS

ASP.NET, AJAX, C#, C++, Java, MySQL, JQuery XML.

AWARDS AND ACTIVITIES

Certified Tester Foundation Level (CTFL) by International Software Testing Qualification Board (ISTQB)
Microsoft Certified Technology Specialist .NET Framework 3.5 (MCTS)
Microsoft Certified Professional Developer: ASP.NET Developer 3.5 (MCPD)
Dean's awards, Convocation 48th Universiti Teknologi Malaysia, 2012
Participant, Speed Programming Competition 2009