

CURRICULUM VITAE



Faisul Arif bin Ahmad@Mohd Yusoff
Jabatan Kejuruteraan Sistem Komputer dan Komunikasi,
Fakulti Kejuruteraan, Universiti Putra Malaysia,
43400 UPM Serdang, Selangor

T: 03-8946 4318

F: 03-87567127

Education

1. Doctor of Philosophy, 2016, Universiti Putra Malaysia
2. Master of Engineering, 2008, Universiti Teknologi Malaysia.
3. Bachelor of Engineering, 2001, Muroran Institute of Technology, Japan.

Areas of Interest

1. Embedded System, Artificial Intelligence and Robotics, Swarm Robotics System

Professional Qualification/ Membership/ Affiliation

1. Executive Committee, IEEE GOLD Affinity Group (IEEE) 2013-2014
2. Member, Institute of Electrical and Electronics Engineers (IEEE)
3. Executive Committee, IEEE Consumer Electronics Society (CES) 2013-2015

Publications

Journals (30 recent journals)

1. **FA Ahmad**, AR Ramli, K Samsudin, SJ Hashim, *Optimization of Power Utilization in Multi-Mobile Robot Foraging Behavior Inspired by Honeybees System*, The Scientific World Journal 2014, 12 pages.
2. K Samsudin, **FA Ahmad**, S Mashohor *A highly interpretable fuzzy rule base using ordinal structure for obstacle avoidance of mobile robot*, Applied Soft Computing 11 (2), 1631-1637. Elsevier, 2011. (IF=2.857)

Conference Proceedings (30 recent Conference Proceedings)

1. Arvin F., Doraisamy S.C., Samsudin K., **Ahmad F.A.**, Ramli A.R. (2012) *Implementation of a Cue-Based Aggregation with a Swarm Robotic System*. In: Lukose D., Ahmad A.R., Suliman A. (eds) Knowledge Technology. Communications in Computer and Information Science, vol 295. Springer, Berlin, Heidelberg
2. **AF Arif**, AR Ramli, K Samsudin, SJ Hashim, *Energy management in mobile robotics system based on biologically inspired honeybees behavior*, Computer Applications and Industrial Electronics (ICCAIE), 2011 IEEE International Conference on,.
3. K Samsudin, **FA Ahmad**, S Mashohor, NM Latif, *Comparison of direct and incremental genetic algorithm for optimization of ordinal fuzzy controllers*, Software Engineering, Artificial Intelligence, Networking, and Parallel/Distributed Computing, 2008. SNPD'08. Ninth ACIS International Conference on,.
4. **F.A Ahmad**, M Khalid, R Yusof, K Samsudin, N Mohd Latif, *Optimization of Fuzzy Rules in Fuzzy Controller System by Ordinal Structure Model of Fuzzy Reasoning for Obstacle Avoidance Behavior in a Khepera Mobile Robot*, Proceedings of 2008 Student Conference on Research and Development (SCORed 2008),
5. **Faisul Arif Ahmad**, Khairulmizam Samsudin, Marzuki Khalid, Rubiyah Yusof, *Obstacle avoidance of mobile robots using ordinal structure model of fuzzy reasoning approach*, Proceeding of Malaysia-Japan International Symposium on Advanced Technology 2007 (MJISAT2007), 2007, Kuala Lumpur.

Research Grants

No	Project Title	Amount (RM)	Year	Source of Fund
1.	Biomimetic Distributed Control for Coordination of Multi-Robot Systems	15,000	2012-2014	RUGS Inisiatif 6

