

## CURRICULUM VITAE



### MAHIRAH BINTI JAHARI

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### Education

No	Major/ Degree	Institution/ College or University	Date / Year		CGPA
			From	To	
1.	Bachelor of Engineering (Biological and Agricultural)	Universiti Putra Malaysia	2003	2007	3.479
	Research Title: A Density and An Image Processing Approach for Agarwood Chips Grading				
2.	Master of Science (GIS and Geomatic Engineering)	Universiti Putra Malaysia	2007	2011	3.500
	Research Title: Change Detection in Mangrove forest Areas using Local Similarity Measure				
3.	Doctor of Philosophy (Agriculture)	Kyoto University	2011	2017	
	Research Title: Double Lighting Machine Vision System for Rice Quality Evaluation				

### Areas of Interest

1. Image Processing and Machine Vision
2. Precision Agriculture

### Professional Qualification/ Membership/ Affiliation

1. Member, Malaysian Society and Agricultural Engineers (MSAE)
2. Member, Japanese Society of Agricultural Machinery (JSAM)
3. Member, Institution of Geospatial and Remote Sensing (IGRSM)
4. Member, Golden Key International Honor Society. Universiti Putra Malaysia Chapter, 2004.

### Appointments

Position	Duration
1. Tutor, Department of Biological and Agricultural Engineering, Faculty of Engineering, UPM	April 2008– to date
2. Graduate Research Assistant, Faculty of Engineering, UPM	July 2007 – April 2008

Journals (30 recent journals)

1. **Jahari, M.**, K., Yamamoto, M., Miyamoto, N., Kondo, Y., Ogawa, T., Suzuki, H., Habaragamuwa, U., Ahmad, 2017. Monitoring Harvested Paddy During Combine Harvesting Using A Machine Vision-Double Lighting System. Engineering in Agriculture, Environment and Food (EAEF) 10, 140–149. doi:10.1016/j.eaef.2016.12.001 (Cited in Scopus)
2. **Mahirah, J.**, K., Yamamoto, M., Miyamoto, N., Kondo, Y., Ogawa, T., Suzuki, H., Habaragamuwa, U., Ahmad, 2015. Double Lighting Machine Vision System to Monitor Harvested Paddy Grain Quality during Head-Feeding Combine Harvester Operation. Machines 3, 352–363. doi:10.3390/machines3040352
3. **Mahirah, J.**, S., Khairunniza-Bejo, A., R., M., Shariff, H., Z., M., Shaffri, 2011. Change Detection Studies in Matang Mangrove Forest Area, Perak. Pertanika Journal Science & Technology 19(2), 307 -327. (Cited in Scopus).

Conference Proceedings (30 recent Conference Proceedings)

1. **Mahirah, J.**, K., Yamamoto, M., Miyamoto, N., Kondo, Y., Ogawa, 2013. Monitoring System for Harvested Rice Grains Qualities. Proceeding of the 130th JSAM Annual Meeting, 31 Oct - 1 Nov, Mie University, Mie, Japan.
2. **Mahirah, J.**, K., Yamamoto, M., Miyamoto, N., Kondo, Y., Ogawa, 2013. Monitoring System for Yield Qualities of Paddy. SPIE, Proceeding of SetBio 2013 Conference, 23-25 April, Pacifico Yokohama, Japan.
3. **Mahirah, J.**, K., Yamamoto, M., Miyamoto, N., Kondo, Y., Ogawa, 2012. Detection of Harvested Grain Quality by Using Web Camera. Proceeding of the 128th JSAM Annual Meeting, 11Aug - 12 Aug, Tottori University, Tottori, Japan.
4. **Mahirah, J.**, Khairunniza-Bejo, S., Shariff, A.R.M. and Shafri, H.Z.M. 2010. Performance of Local Mutual Information in Different Band of SPOT 5 Satellite Images to Detect Changes in Forest Areas. In Proceedings of MRSS 6th International Remote Sensing and GIS Conference and Exhibition, 28-29 April 2010, PWTC, Kuala Lumpur, Malaysia, p. 48.
5. Khairunniza-Bejo, S., Ahmad, D. and **Mahirah, J.**, 2009. Benchmarking of Bachelor of Agricultural and Biosystems Engineering Programme in Malaysia. International Conference on Engineering and Education in the 21st Century (ICEE 2009), 23-25 March 2009, Majestic Riverside, Kuching, Malaysia, p.1- 5.



6. **Mahirah, J.**, Khairunniza-Bejo, S., Shariff, A.R.M., Shafri, H.Z.M. and Ibrahim, H. 2008. Change Detection using Local Similarity Measure. In Proceedings of the Conference on Innovative Technologies in Intelligent Systems and Industrial Applications, 4607332: 39-43. (Cited in Scopus).
7. **Mahirah, J.**, S. Khairunniza-Bejo, A. R. M. Shariff, H. Z. M. Shaffri, H. Ibrahim,. 2008. Change Detection using a Local Similarity Measure. CITISIA 2008, Selangor, Malaysia.
8. Khairunniza-Bejo, S., **Mahirah, J.**, Jamaludin, H. and Osman, F. 2007. Image Analysis for Agarwood Chips Grading. The World Engineering Congress 2007,5-9 August 2007, Penang, Malaysia, p. 129-134.

#### Press Release and Professional Magazine

1. Khairunniza-Bejo, S., **Jahari, M.**, Shariff, A. R. M. and Shafri, H. Z. M. (2011) Mapping Mangrove Biomass. Press Release, PRWeb UK, 27 Nov. 2011.
- 2.

#### Intellectual Properties

##### Copyright

No	Title	Year
1.	Khairunniza-Bejo, S., <b>Jahari, M.</b> , Shariff, A.R.M. and Shafri H.Z.M. Local Mutual Information for Forest Monitoring version 1.0 (LMI v1.0).	2010
2.	Khairunniza-Bejo, S., <b>Jahari, M.</b> , Shariff, A.R.M. and Shafri, H.Z.M. Local Mutual Information for Forest Monitoring version 2.0 (LMI v2.0).	2010

#### Awards/Recognition

No	Name of Awards	Title	Award Authority	Award Type	Year
1.	Gold Medal	Mangrove Forest Mapping	International Trade Fair "Ideas-Invention-New Products" (iENA), Germany	International	2012
2.	Gold Medal	Mangrove Forest Mapping	Malaysia Technology Expo	National	2012
3.	Gold Medal	Development of Mangrove Forest Monitoring Technique Using Local Similarity Measure	Pameran Reka Cipta, Penyelidikan dan Inovasi, UPM	University	2011
4.	Academic Award	Best Student in Academic	Faculty of Engineering, UPM	University	2007

### Professional Services

No	Role	Title	Year
1.	Reviewer	Journal of Spectroscopy Letters	2017
2.	Reviewer	Journal of Computers and Electronics in Agriculture	2013
3.	Reviewer	International Conference on Sustainable Future for Human Security	2013
5.	Demonstrator	Agricultural Machinery Maintenance	2011
6.	Committee	Agricultural Machinery Operation & Maintenance	2011

### References

1. Assoc. Prof. Dr. Siti Khairunniza bt Bejo  
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