

Curriculum Vitae (CV)



OSAMA MOHAMED BEN SAEED

Jalan 5/125 Taman Desa Petaling
57100 Kuala Lumpur
abuhajar1035@gmail.com

PERSONAL PARTICULARS:

Age : 37 years Date of Birth : 27 July 1976
Nationality : Libyan Gender : Male
Marital Status : Marriage Passport Number : 004199
Permanent Residence : Malaysian

EDUCATION

July 2008- Present: Phd Student (Computer Vision in Agricultural Application)
Spatial and Numerical Modelling Lab, ITMA, UPM, Malaysia.
2006-2007: Ms. (Remote Sensing and GIS Engineering)
Universiti Putra Malaysia, Malaysia.
1998-1999: B.Eng. (Computer Engineering)
Faculty of Engineering, Tajora, Libya.

WORKING EXPERIENCE

September 1999 to 2003 Engineer, Department of Computer
Engineering, Tripoli, Libyan.

COMPUTER SKILLS

MS Office, Excel, PowerPoint, Word Perfect, Adobe Acrobat Reader, Multimedia & Internet

LANGUAGE SKILLS

English Spoken Good Written Good
Arabic Excellent Excellent

PUBLICATIONS:

Journal paper:

- The Application of Internal Grading System Technologies for Agricultural Products - Review
in Journal of Food Engineering. (IF = 2.4).

- Oil Palm Fresh Fruit Bunches based on their Maturity using Portable Four-Band Sensor System in **Computers and electronics in agriculture**, (IF = 1.7).
- Ripeness Detection of Oil Palm Fresh Fruit Bunches Using 4-Band international journal of **Advanced Science Letters**, ISSN: 1936-6612 (IF = 1.25).
- Oil Palm Fruit Classification Using Spectrometer in international journal **Advanced Science Letters**, ISSN: 1936-6612 (IF = 1.25).
- Oil Palm Fruit Ripeness Grading System Based on BGLAM Feature Extraction and SVM, KNN and ANN Supervised Machine learning," **International Journal of Advanced Science Letters**, ISSN: 1936-6612 (IF = 1.25)
- The Recognition System of Oil Palm Fruit Bunch Types Based on Texture Feature Technologies and image processing techniques," **International Journal of Advanced Science Letters**. (IF = 1.25)
- Recent Methods and Techniques of External Grading Systems for Agricultural Crops Quality Inspection – Review," **International Journal of Food Engineering: Vol. 7: Iss. 3, Article 10**. (IF = 0.46)
- Oil Palm Fruit Bunch Grading System Using Red, Green and Blue Digital Number. **Journal of Applied Science** 8(8), 1444-1452. (Scopus).

#### Conference paper:

- Oil Palm Fruit Maturity Classification Based on Texture Feature Extraction of Fruit Thorns Texture and Supervised Machine learning Classifiers in 2013 **International conference on Agricultural Engineering**, SQU, Muscat, Sultanate of Oman
- Ripeness Detection of Oil Palm Fresh Fruit Bunches Using 4-Band Sensors in 2012 **International Conference on Agricultural, Food and Biological Engineering (ICAFBE 2012)** Guangzhou, China.
- Oil Palm Fruit Classification Using Spectrometer in 2012 **International Conference on Agricultural, Food and Biological Engineering (ICAFBE 2012)** Guangzhou, China.

- Calibrated color measurements of fruit quality evaluation using optical sensor (**Map Asia 2010 & ISG 2010**)  
<http://km.upm.edu.my/kmportalweb/infox/assetDetailAction.action;jsessionid=shCVTkB1t73b2vBcYQTgZwSJfpY^HkJYq^dxVdLmwYgxQHnCgxt!Y1.YY9EY^A^?execute=view&assetId=000E^0^Y&actionFlg=allist>.
- **4th World Engineering Congress 2010 (WEC2010)**, 2-5 August, Kuching, Sarawak  
<http://xa.yimg.com/kq/groups/21962344/15675342/name/UPM.pdf>.
- Oil Palm Fruit Ripeness Grading System Based on BGLAM Feature Extraction and SVM, KNN and ANN Supervised Machine learning. **International Conference on Agricultural, Food and Biological Engineering (ICAFBE 2012)**. Guangzhou, China
- The Recognition System of Oil Palm Fruit Bunch Types Based on Texture Feature Technologies and image processing techniques. **International Conference on Agricultural, Food and Biological Engineering (ICAFBE 2012)**. Guangzhou, China.
- The Design and Process of the External Inspection System in **Agricultural Engineering. Map Asia 2010 & ISG 2010 Conference on Agriculture & Health**. Kuala Lumpur, Malaysia: 1-9.
- The Consideration of Methods and Techniques of Illumination System Building for Computer Vision in Agricultural Application. **World Engineering Congress 2010 Conference on Geomatic and GIS**. Kuching, Sarawak, Malaysia: 1-8.
- Oil Palm Fruit Bunch Ripeness Grading System Based on Fruit Colour Using Gabor wavelet Transform and Neural Network. **The Fifth Libyan Arab International Conference on Electrical and Electronic Engineering**. Tripoli, Libya: 1-10.
- Automated oil palm fruit bunch grading system using density of color (RGB). **Proceedings of the 7th Saudi Engineering Conference**, King Saud University, Riyadh, pp. 299-313.

### **Awards & Recognitions:**

- **Gold Medal** in Pelan Lantai Booth Pameran in Universiti Putra Malaysia Pameran PRPI 2010 (Fresh Fruit Bunch (FFB) Hyperspectral Scanner).
- **Silver Medal** in Malaysia Technology Expo MTE2012 (A Multi Band Sensor for Fruit Maturity Detection).
- **Silver Medal** in International Invention, Innovation & Technology Exhibition ITEX 2012 (Fresh Fruit Bunch (FFB) Hyperspectral Scanner).

#### **PATENTS:**

- Fresh Fruit Bunches (FFB) Hyperspectral Scanner (v1.6) Methodology, system design with the source code. **PI 2010700086** with filing date on: 23/9/2010, Malaysia. (National Patent)  
<http://xa.yimg.com/kq/groups/21962344/15675342/name/UPM.pdf>
- A portable Multi Band Sensor for Fruit Maturity Detection. **PI 20120022702** with filing date on: 23/9/2010, Malaysia. (National Patent).

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- A Multi Band Sensor for Fruit Maturity Detection (v1.7) has been copyrighted under the copyright No: B 222 with copyright date: 06 March 2011, UPM, Malaysia.

#### **REFERENCE:**

Abdul Rashid Mohamed Shariff, PhD  
Associate Professor  
Faculty of Engineering  
Universiti Putra Malaysia  
Tel: 0060389467543

A. R. Mahmud, PhD  
Associate Professor  
Faculty of Engineering  
Universiti Putra Malaysia  
Tel: +60-3-89466383

H. Z. Mohd, PhD

Associate Professor  
Faculty of Engineering  
Universiti Putra Malaysia  
Tel: 0060386567129

M. D. b. Amiruddin, PhD  
Dr  
Faculty of Engineering  
Universiti Putra Malaysia