



KAMARUDDIN MALIK BIN MOHAMAD

Fakulti Sains Komputer dan Teknologi Maklumat (FSKTM)

Universiti Tun Hussein Onn Malaysia (UTHM)

Parit Raja, 86400 Batu Pahat, Johor.

malik@uthm.edu.my

EDUCATION & ACADEMIC QUALIFICATION

Universiti Tun Hussein Onn Malaysia (UTHM)

Ph.D. (*Computer Science*), *Digital Forensics: File Carving*

Universiti Teknologi Malaysia (UTM)

M.Sc. (*Computer Science*)

Acadia University, Nova Scotia, Canada

B.Comp.Sc.

EMPLOYMENT

15 th August 2011-current	Lecturer , <i>Fakulti Sains Komputer dan Teknologi Maklumat (FSKTM), UTHM</i>
2009-14 th August 2011	Further Study pursuing PhD in Computer Science (Digital Forensics: File Carving). Convocation on 29 th October 2011.
16 th Sep. 2004 – Dec 2008	Lecturer , <i>Fakulti Sains Komputer dan Teknologi Maklumat (FSKTM), UTHM</i>
05 th March 2004 – 15 Sep. 2004	Pegawai Sistem Maklumat , <i>Pusat Teknologi Informasi dan Komunikasi (CICT), UTM Skudai</i>
July 2002-March 2004	Pegawai Sistem Maklumat , <i>Pejabat Hal Ehwal Pelajar, UTM Skudai</i>
Jan-Mar 2002	Manager , <i>SKILL Computer Training Center, Ehsan Ria Sdn Bhd, Johor Bahru</i>
May-Dec 2001	Marketing Executive , <i>Kumpulan Pendidikan YPJ (KPYPJ), Johor Bahru</i>
Jan-Apr 2001	Program Coordinator for <i>Napier University Program, Institut Teknologi Perindustrian Yayasan Pelajaran Johor (ITPYPJ), Johor Bahru</i>
Feb 1999-Dec 2000	Head of IT , <i>Institut Teknologi Perindustrian Yayasan Pelajaran Johor (ITPYPJ), Johor Bahru</i>
1998-Jan 1999	Head of Computer Science Department , <i>Institut Teknologi Perindustrian Yayasan Pelajaran Johor (ITPYPJ), Johor Bahru</i>
1997-1998	Manager , <i>Megabyte Computer Center, Ulu Tiram, Johor</i>

1996-1997 **Learning Center Manager**, Saat Network Sdn Bhd, Taman Maju Jaya, Johor Bahru

1994-1995 **LAN Infrastructure Engineer**, UMW-EDS Technologies (UET), Shah Alam

1993-1994 **System Engineer**, UMW Corporation, Shah Alam

1992-1993 **Programmer**, UMW Corporation, Shah Alam

TEACHING EXPERIENCE

Sem 2- 2011/2012 BIT 3263/32603 *Network Operating System*

Sem 1 – 2011/2012 BIT 2033/20303 *Computer Architecture*

Sem 2 – 2007/2008 BTI 1022 *Pengaturcaraan Komputer*

Sem 1 – 2007/2008 BIT 3283 *Client Server Programming*

Sem 2 – 2006/2007 BIT 3323 *Network Security*

Sem 1 – 2006/2007 DTI 2143 *Computer Programming*

Sem 2 – 2005/2006 DTI 3313 *Data Communication & Telecommunication System*

Sem 3 (Mei) 2006 BIT 1083 *IT SKILLS*

Sem 1 – 2005/2006 BTI 4273 *Computer Security*

Sem 2 - 2005-2006 DIT 2142 *IT SKILLS*

Sem 1 – 2005/2006 BTI 4763 *Computer Security*

Sem 1 – 2005/2006 BFC 2042 *Computer Programming*

Sem 1 – 2004/2005 BTI 4713 *High Speed Network*

Sem 1 - 2004-2005 DIT 2142 *IT SKILLS*

MANAGEMENT EXPERIENCE

02nd Jan. 2012 – current Pengarah, Pusat Teknologi Maklumat, UTHM

2006-2008 Ketua Panel, Unit Rangkaian di FSKTM

2006-2008 Ketua Makmal Rangkaian di FSKTM

RESEARCH EXPERIENCE

CODE	END DATE	TITLE
1051	14 th April, 2015	A New Data Hiding Scheme with High Imperceptibility and Security
S019	15 th Oct, 2013	Development of An Image Carving Tool for JPEG Intertwined Files with Hidden Message Detection

0738	28 th February, 2012	Finding New Steganography Algorithm to Hide Data in Image
S004	31 st August, 2008	Development of Modular and Real-Time Manufacturing Machine Control Software Systems
0332	30 th April, 2008	Online Test Application using Computer Adaptive Testing (CAT)

FIELD OF EXPERTISE

No Fields

- 1 File Carving (Digital Forensics)
- 2 Steganography

SUPERVISOR AND CO-SUPERVISOR FOR Degree, Masters and Doctor of Philosophy

Graduated:

-

On-Going:

Doctor of Philosophy (PIT) – Co-Supervisor

1. Nurul Azma bte Abdullah (HI00015) dari Sem 1 Sesi 2011/2012
 - ❖ Main supervisor: Prof. Rosziati bte Ibrahim
 - ❖ Field: File Carving, Digital Forensics
2. Shamsul Kamal bin Ahmad Khalid (HI100017) dari Sem II Sesi 2011/2012
 - ❖ Main supervisor: Prof. Mustafa bin Mat Deris
 - ❖ Field: Watermarking

Projek Sarjana Muda (PSM)

3. Sep 2011 (Sem1 2011/12) - *Aplikasi Penanda Hakcipta Tersembunyi Untuk Video*

KHAIRUL ANUAR BIN MOHD. SUHARTY

4. Sep 2011 (Sem1 2011/12) - *Pengesahan Kertas Soalan Menggunakan Video*
MUHAMAD HAFIZ BIN ASNAN
5. Sep 2011 (Sem1 2011/12) - *Sistem Perlepasan Pelajar oleh PKU*
MUHAMAD NORAZMI BIN ABDUL WAHID
6. Sep 2011 (Sem1 2011/12) - *Sistem Maklumat Pelajar Menggunakan Steganografi*
MOHD REZAIL BIN JENOIN
7. Sep 2011 (Sem1 2011/12) - *myFinder Mobile Tracking System Using International Mobile Equipment Identity (IMEI)*
SIMON CHEAH WEE LEONG
8. Sep 2011 (Sem1 2011/12) - *Randomized Hard Disk Sanitization Tool*
SIA PICK HUN
9. Sep 2011 (Sem1 2011/12) - *Pengesahan video pelajar menggunakan ID tersembunyi*
MUHAMMAD IKHWANSYAFIQ BIN AZHAR
10. Sep 2011 (Sem1 2011/12) - *Sistem Pemantauan Rangkaian di Jabatan Perhutanan Negeri Perak Menggunakan Perisian Sumber Terbuka*
RAOUF B. HAJI OMAR LOW (drop)
11. Sep 2011 (Sem1 2011/12) - *Firewall Log Analysis Tool*
RABEA ABD MOHAMMAD
12. Sep 2011 (Sem1 2011/12) - *Sistem Analisis Pengesanan Lokasi Staf Dalam Waktu Bekerja Menggunakan RFID*
MUHAMAD ZAILIE BIN ZAINUDIN
13. Sep 2011 (Sem1 2011/12) - *Vulnerability Scanner With Easy Access Graphical User Interface*
TAN KIAT LOONG

OTHERS

1. Moderator at MuiCET 2011 on 15th. Nov, 2011, session 11:35 am – 1 pm, at Katerina Hotel, Batu Pahat.

JOURNAL

1. **Kamaruddin Malik Mohamad**, Tutut Herawan and Mustafa Mat Deris (2011). Detecting JFIF Header using FORHEADER, *International Journal of Security and Its Application*, vol. 5(4), pp. 23-36.

2. **Kamaruddin Malik Mohamad**, Ahmed Patel, Tutut Herawan and Mustafa Mat Deris (2010). myKarve: JPEG Image and Thumbnail Carver, *Journal of Digital Forensics Practice (JDJP)*, vol. 3, pp. 74-97.
3. Mohd Nasir Ahmad Sharif, **Kamaruddin Malik Mohamad**, Rose Alinda Alias, Shamsul Shahibudin, Nor Hidayati Zakaria (2004). Knowledge Management (KM) Framework For Representing Lessons Learned System For Communities Of Practice In Institutions Of Higher Learning, *Malaysian Journal of Computer Science*, vol. 17(1), pp. 1-12.

PROCEEDINGS

1. Nurul Azma Abdullah, Rosziati Ibrahim and **Kamaruddin Malik Mohamad** (2012). *Cluster Size Determination Using JPEG Files*, ICCSA 2012, Salvador de Bahia, Brazil, vol 4, pp. 353-363,
2. Nurul Azma Abdullah, Rosziati Ibrahim and **Kamaruddin Malik Mohamad** (2011). *Overview of File Carving*, Malaysian Technical Universities International Conference on Engineering and Technology (MUICET 2011), Batu Pahat, Johor.
3. **Kamaruddin Malik Mohamad** and Mustafa Mat Deris (2011). *Visualization of Hard Disk Geometry and Master Boot Record*, Universiti Malaysia Terengganu 10th International Annual Symposium (UMTAS 2011), Kuala Terengganu, Terengganu, pp. 1-8.
4. **Kamaruddin Malik Mohamad**, Ahmed Patel and Mustafa Mat Deris (2011). *Carving JPEG Images and Thumbnails Using Image Pattern Matching*, IEEE Symposium on Computers & Informatics (ISCI 2011), 20-22 March, 2011, KL, pp. 633-638.
5. **Kamaruddin Malik Mohamad**, Tutut Herawan and Mustafa Mat Deris (2010). *Hiding Data in JPEG using in-DQT Technique*, 4th International Conference on Information Security and Assurance (ISA 2010), vol. 76, pp.27-36.
6. **Kamaruddin Malik Mohamad**, Tutut Herawan and Mustafa Mat Deris (2010). *Dual-Byte-Marker Algorithm for Detecting JFIF Header*, 4th International Conference on Information Security and Assurance (ISA 2010), vol. 76, pp.17-26.
7. **Kamaruddin Malik Mohamad**, Sapiee Haji Jamel, Mustafa Mat Deris (2009). *Inefficiency of Data Storing in Physical Memory*, Proceedings of World Congress on Science, Engineering and Technology (WCSET 2009), vol. 38, pp. 856-858.
8. **Kamaruddin Malik Mohamad**, Mustafa Mat Deris (2009). *Single-byte-marker for Detecting JPEG JFIF Header Using FORIMAGE-JPEG*, 2009 Fifth International Joint Conference on INC, IMS and IDC (NCM 2009), pp.1693-1698.
9. **Kamaruddin Malik Mohamad** and Mustafa Mat Deris (2009). *Visualization of JPEG Metadata*, 1st International Visual Informatics Conference (IVIC 2009), vol. 5857, pp. 543-550.
10. **Kamaruddin Malik Mohamad** and Mustafa Mat Deris (2009). *Fragmentation Point Detection of JPEG Images at DHT Using Validator*, 1st International Conference on Future Generation Information Technology (FGIT 2009), vol. 5899, pp.173-180.

BOOK

1. **Kamaruddin Malik Mohamad**, Mohd Farhan Md Fudzee, Mohamad Aizi Salamat, Zubaile Abdullah (2008). *Kuasai PHP dan mySQL Asas: Langkah Demi Langkah*. Penerbit UTHM. ISBN 978-983-2963-57-8.