

HAMIDAH IBRAHIM, Ph.D

Career Summary

Hamidah Ibrahim joined the Faculty of Computer Science and Information Technology as a tutor in 1991. In 1993, she was awarded the UPM's Scholarship to pursue a master programme and then a doctorate in Computer Science at the University of Wales Cardiff, UK. She worked on a thesis entitled "Semantic Integrity Constraints Enforcement for a Distributed Database".

She has published articles in refereed journals such as *International Journal of Intelligent Systems – Verification and Validation Issues in Databases, Knowledge-Based Systems, and Ontologies*, *Journal of Computing and Information*, *Ultra Scientist of Physical Sciences International Journal of Physical Sciences*, *Pertanika Journal of Science & Technology*, and *Malaysian Journal of Computer Science*. At the same time she has supervised more than fifty graduate theses and undergraduate dissertations. She has also examined 14 diploma dissertations (SAK 2999), 32 bachelor dissertations (SAK 4999), 21 theses Master of Science (SAK 5999), and 4 Ph.D. dissertations (SAK 6999) over the period 1999-2002.

Hamidah Ibrahim is also involved in organizational and professional activities. Currently she serves as the Editorial Board member of *Pertanika Journal of Science & Technology* published by UPM Press; member for UPM's Strategic Planning of the Knowledge Management Center; member for faculty's IRPA technical evaluation panel; and Programme Coordinator for Diploma in Computer Science (UPM-Kolej Kurniawan). Previously, she served as an adviser for the National Conference on Research and Development in Computer Science (REDECS 2001) and faculty's Postgraduate Programme Coordinator.

With all her contributions, Hamidah Ibrahim was twice awarded the Universiti Putra Malaysia Excellent Service Award in 2000 and 2001.

1. EDUCATION AND ACADEMIC QUALIFICATIONS

Higher Learning

- October 1995 – June 1998: Ph.D. (Computer Science), Department of Computer Science, University of Wales Cardiff, UK.
- October 1992 – September 1993: M.Sc. (Computing), Department of Computer Science, University of Wales College of Cardiff, UK.
- June 1988 – March 1991: Bachelor of Computer Science, Universiti Pertanian Malaysia, Serdang, Selangor, Malaysia.
- June 1984 – March 1988: Diploma in Computer Science, Universiti Pertanian Malaysia, Serdang, Selangor, Malaysia.

Secondary Education

- January 1979 – December 1983: Convent Bukit Nanas (CBN) Secondary School, Kuala Lumpur, Malaysia.

Primary Education

- January 1973 – December 1978: Methodist Girls School (MGS), Kuala Lumpur, Malaysia.

2. TEACHING AND OTHER WORKING EXPERIENCE

4 years experience in teaching at the Universiti Putra Malaysia (UPM) since 13 August 1998 to date. The courses taught are summarized as follows:

Graduate Level Courses

Courses	Programme	Credit Hours	Semester and Session	Number of Student
Database Technology (SMM 54505)	Master of Science (Information Technology)	3	November 2001/2002	19
Distributed Database (SAK 5310)	Master of Science (Computer Science)	3	May 2001/2002 November 2000/2001 November 1999/2000 May 1999/2000 November 1998/1999	20 25 16 12 18

Diploma and Undergraduate Level Courses

Courses	Programme	Credit Hours	Semester and Session	Number of Student
Data Structure (SAK 3107) – Distance Learning	Bachelor of Computer Science	4	November 2001/2002 May 2001/2002	34 4
Data Structure (SAK 3117) Data Structure (SAK 3107)	Bachelor of Computer Science	4	November 2001/2002 May 2000/2001 May 1999/2000 November 1998/1999	36 248 635 260
Database System (SAK 3405/SAK 4401) Database System (SAK 3405)	Bachelor of Computer Science	4/3 4	November 2001/2002 May 2001/2002 November 2000/2001 May 2000/2001 November 1999/2000	146 306 390 211 460
Database Management (SAK 2405)	Diploma in Computer Science	4	May 2001/2002 May 2000/2001	4 15
Operating System (SAK 2206)	Diploma in Computer Science	4	November 2000/2001	2

3. ADMINISTRATION DUTIES AND OTHER RESPONSIBILITIES

University/Departmental Level

Committee member for Strategic Planning of the Knowledge Management Center, UPM (January 2002 to date)

Member of Technical Evaluation Panel IRPA (Sector) RM8 Universiti Putra Malaysia (17 August 2001 to date)

Member of Editorial Board for the Pertanika Journal of Science & Technology (November 1999 to date)

Faculty's Postgraduate Programme Coordinator (January 1999 to December 2001)

Committee member for the Faculty Postgraduate Programme (January 1999 to date)

Programme Coordinator for Diploma in Computer Science, UPM – Kolej Ikram, Selangor, Off Campus Twinning Programme (January 1999 – January 2002)

Programme Coordinator for Diploma in Computer Science, UPM – Kolej Kurniawan, Kuala Lumpur, Off Campus Twinning Programme (February 2002 to date)

Course Coordinator for Operating System (SAK 2999) of UPM – Off Campus Twinning Programme/Private College (May 1999/2000, November 2000/2001)

Course Coordinator for Data Structure (SAK 3117) of UPM – Off Campus Twinning Programme/Private College (November 2001/2002)

Course Coordinator for Database System (SAK 3405) of UPM – Off Campus Twinning Programme/Private College (May 2002/2003, May 2001/2002, November 2000/2001)

Committee member for the Information Technology Colloquium, INTEC 2000

Committee member for the Faculty's Programming Competition 2002

Advisor for the National Conference on Research & Development in Computer Science (REDECS 2001)

Referee for Programming Competition FSKTM 2002

Outside University

Curriculum Development Committee member of Diploma in Information Technology, Kolej Professional Mara Beranang (KPMB)

Expert for Academic Evaluation and Quality Control for Diploma in Computer Science programme (UPM) – Kolej Yayasan Pelajaran Mara (KYPM), Kuala Lumpur, 17 September 2002

Expert for Academic Evaluation and Quality Control for Diploma in Computer Science programme (UPM) – Kolej Pusat Teknologi dan Pengurusan Lanjutan (PTPL), Shah Alam, 10 October 2001

Expert for Academic Evaluation and Quality Control for Diploma in Computer Science programme (UPM) – Kolej Teknologi Cybernetics (KTC), Kuala Lumpur, 20 September 2001

Head of Invigilators for the final examination of UPM-IPTS at Kolej SAL (May 2002/2003)

Head of Invigilators for the final examination of UPM-IPTS at Kolej Ikram (November 2001/2002, May 2000/2001, November 1999/2000, May 1999/2000)

Deputy Head of Invigilators for the final examination of UPM-IPTS at Kolej Ikram (November 1998/1999)

4. SUPERVISION OF STUDENTS

Graduate Theses Completed

2001/2002

1. Name : Mustafa Mat Deris
Degree : Ph.D.
Country : Malaysia
Title : Efficient Access of Replicated Data in Distributed Database System
Supervisory Committee : Member
Status : Completed – December 2001
2. Name : Soon Lay Ki
Degree : Master of Science
Country : Malaysia
Title : Translating Relational to Object-oriented Database Schema
Supervisory Committee : Main Supervisor
Status : Completed – December 2001
3. Name : Chew Feng Ting
Degree : Master of Science (Information Technology)
Country : Malaysia
Title : Wireless Web-based Mobile Assistant System
Supervisory Committee : Main Supervisor
Status : Completed – February 2002
4. Name : Leong Pau Yeu
Degree : Master of Science (Information Technology)
Country : Malaysia
Title : One-stop Web Portal System
Supervisory Committee : Main Supervisor
Status : Completed – February 2002
5. Name : Loh Tong Loy
Degree : Master of Science (Information Technology)
Country : Malaysia
Title : Putrajaya's Wetland Plants Database System
Supervisory Committee : Main Supervisor
Status : Completed - February 2002

6. Name : Yew Poh Leong
Degree : Master of Science (Information Technology)
Country : Malaysia
Title : Electronic Leave Management System
Supervisory Committee : Main Supervisor
Status : Completed – February 2002

7. Name : Yip Mun Tsong
Degree : Master of Science (Information Technology)
Country : Malaysia
Title : Finished Good Data Analysis System
Supervisory Committee : Main Supervisor
Status : Completed – February 2002

2000/2001

1. Name : Belal Mohammad Zaqaibeh
Degree : Master of Science (Computer Science)
Country : Jordan
Title : Using the Computer to Teach Typing
Supervisory Committee : Main Supervisor
Status : Completed – February 2001

2. Name : Chew Wai Seong
Degree : Master of Science (Information Technology)
Country : Malaysia
Title : Differences between SQL and QUEL in
Specifying Data Integrity in a Database System
Supervisory Committee : Main Supervisor
Status : Completed – February 2001

3. Name : Firas Ahmad Al-Hanandeh
Degree : Master of Science (Computer Science)
Country : Jordan
Title : Integrity Preservation in Temporal Relational
Databases
Supervisory Committee : Main Supervisor
Status : Completed – September 2001

4. Name : Lew Sook Ling
Degree : Master of Science (Information Technology)
Country : Malaysia
Title : A Study on Integrity Constraints Based on the Evaluation of the Specifications of Structured Query Language (SQL) and Query by Example (QBE)
Supervisory Committee : Main Supervisor
Status : Completed – September 2001
5. Name : Zaiti Harun
Degree : Master of Science (Computer Science)
Country : Malaysia
Title : A Model Java Message Service Applications
Supervisory Committee : Main Supervisor
Status : Completed – February 2001

1999/2000

1. Name : Chau Kien Tsong
Degree : Master of Science (Information Technology)
Country : Malaysia
Title : On the Design of Schema Integration (The Application of the Proposed Composite Schema Integration Technique on a Musical Instrument Company)
Supervisory Committee : Main Supervisor
Status : Completed – February 2000
2. Name : Eu Hin Keong
Degree : Master of Science (Information Technology)
Country : Malaysia
Title : Schema Integration in Heterogeneous Distributed Database based on the EROO Modeling
Supervisory Committee : Main Supervisor
Status : Completed – September 2000
3. Name : Fathi Hassan Saad Mohammed El Miligi
Degree : Master of Science (Computer Science)
Country : Sudan
Title : Comparison between Forward Chaining & Backward Chaining in Management Case of Universiti Putra Malaysia
Supervisory Committee : Main Supervisor
Status : Completed – September 2000

4. Name : Manjit Singh A/L Basant Singh
Degree : Master of Science (Information Technology)
Country : Malaysia
Title : Development of a Volleyball Club Membership System
Supervisory Committee : Main Supervisor
Status : Completed – February 2000
5. Name : Nisar Ahmed Khan
Degree : Master of Science (Information Technology)
Country : Pakistan
Title : Vertical Fragmentation Design Assistant (VFDA)
Supervisory Committee : Main Supervisor
Status : Completed - February 2000
6. Name : Omer Ishaq Eldai
Degree : Master of Science (Computer Science)
Country : Sudan
Title : A Comparative Analysis of Methodologies for Database Schema Integration
Supervisory Committee : Main Supervisor
Status : Completed – September 2000
7. Name : Tyle Li Fah
Degree : Master of Science (Information Technology)
Country : Malaysia
Title : Data Modeling: A Comparative Study
Supervisory Committee : Main Supervisor
Status : Completed – February 2000

Graduate Theses in Progress

1. Name : Azizol Abdullah
Degree : Ph.D.
Country : Malaysia
Title : Data Management for Peer to Peer Data Grid Environment
Supervisory Committee : Member
Status : Data Analysis

2. Name : Belal Mohammad Zaqaibeh
Degree : Ph.D.
Country : Jordan
Title : Maintaining Integrity Constraints in an Object-oriented Database
Supervisory Committee : Main Supervisor
Status : Literature Review

3. Name : Chau Kien Tsong
Degree : Ph.D.
Country : Malaysia
Title : Distributed Transaction Processing
Supervisory Committee : Main Supervisor
Status : Literature Review

4. Name : Firas Ahmad Al-Hanandeh
Degree : Ph.D.
Country : Jordan
Title : Maintaining Integrity Constraints in a Parallel Database System
Supervisory Committee : Main Supervisor
Status : Literature Review

5. Name : Mohammad Noor Ahmad Mohammad Injadat
Degree : Ph.D.
Country : Jordan
Title : Distributed Transaction Processing
Supervisory Committee : Main Supervisor
Status : Proposal

6. Name : Lilly Suriani Bt. Affendey
Degree : Ph.D.
Country : Malaysia
Title : Video Database System
Supervisory Committee : Member
Status : Data Analysis

7. Name : Hendry Anhar
Degree : Master of Science
Country : Indonesia
Title : Visual Interface to Database System Support for Querying Database
Supervisory Committee : Member
Status : Thesis Draft Preparation

8. Name : Ma Mei Chin
Degree : Master of Science
Country : Malaysia
Title : Query Optimization
Supervisory Committee : Main Supervisor
Status : Literature Review
9. Name : Chia Sze Kiat
Degree : Master of Science
Country : Malaysia
Title : Application Database System on Novel House
Supervisory Committee : Main Supervisor
Status : Implementation
10. Name : Lee Pooi Yee
Degree : Master of Science
Country : Malaysia
Title : Database Applications using Internet Technology
Supervisory Committee : Main Supervisor
Status : Implementation
11. Name : Norzaini Binti Alias
Degree : Master of Science
Country : Malaysia
Title : Clinic Information System
Supervisory Committee : Main Supervisor
Status : Implementation

Undergraduate Dissertations Completed

2001/2002

1. Name : Ahmad Fahmin Bin Haris
Degree : Bachelor of Computer Science
Country : Malaysia
Title : Sistem Pengurusan Maklumat PALAPES UPM
Supervisory Committee : Main Supervisor
Status : Completed – February 2002
2. Name : Herasuhanti Hermain
Degree : Bachelor of Computer Science
Country : Malaysia
Title : Sistem Maklumat Tempahan Percetakan
Supervisory Committee : Main Supervisor
Status : Completed – February 2002

3. Name : Pandy Hardy
Degree : Bachelor of Computer Science
Country : Malaysia
Title : Mengenali Penyakit AIDS Berbantuan Multimedia
Supervisory Committee : Main Supervisor
Status : Completed – February 2002
4. Name : Tan Sze Wei
Degree : Bachelor of Computer Science
Country : Malaysia
Title : Return Material Assessment (RMA) Control System
Supervisory Committee : Main Supervisor
Status : Completed – February 2002

2000/2001

1. Name : Adlin Bt. Ahmad
Degree : Bachelor of Computer Science
Country : Malaysia
Title : Sistem Rekod Kakitangan Pekerja Klinik Kesihatan Putrajaya
Supervisory Committee : Main Supervisor
Status : Completed – September 2001
2. Name : Ahmad Hanis B. Mohd. Shabli
Degree : Bachelor of Computer Science
Country : Malaysia
Title : Sistem Maklumat “Cyber Café”
Supervisory Committee : Main Supervisor
Status : Completed – September 2001
3. Name : Azran Bin Mohammad Ridzuan
Degree : Bachelor of Computer Science
Country : Malaysia
Title : Pembelajaran Struktur Data Secara Interaktif
Supervisory Committee : Main Supervisor
Status : Completed – September 2001

4. Name : Geetha Sivabalam
Degree : Bachelor of Computer Science
Country : Malaysia
Title : Concurrency Control
Supervisory Committee : Main Supervisor
Status : Completed – February 2001

5. Name : Kavitha A/P Krishnasamy
Degree : Bachelor of Computer Science
Country : Malaysia
Title : Distributed Transaction Processing
Supervisory Committee : Main Supervisor
Status : Completed – February 2001

6. Name : Liao Chee Leong
Degree : Bachelor of Computer Science
Country : Malaysia
Title : IT Online Computer Shop
Supervisory Committee : Main Supervisor
Status : Completed – February 2001

7. Name : Mohd. Nizam Bin Jahari
Degree : Bachelor of Computer Science
Country : Malaysia
Title : Sistem Pemilihan Calon Pelajar Master Sains
Struktur C
Supervisory Committee : Main Supervisor
Status : Completed – September 2001

8. Name : Muhammad Adib Bin Ahmad Khalid
Degree : Bachelor of Computer Science
Country : Malaysia
Title : Sistem Kiosk Maklumat di Pusat Membeli-belah
Supervisory Committee : Main Supervisor
Status : Completed – September 2001

9. Name : Noor Diana Binti Mohamed Hassim
Degree : Bachelor of Computer Science
Country : Malaysia
Title : Sistem Pengurusan Pesakit
Supervisory Committee : Main Supervisor
Status : Completed – September 2001

10. Name : Norfadliza Binti Minhat
Degree : Bachelor of Computer Science
Country : Malaysia
Title : Sistem Penyelenggaraan Komputer Peribadi
Supervisory Committee : Main Supervisor
Status : Completed – September 2001

11. Name : Norhayati Bt. Laila Majnum
Degree : Bachelor of Computer Science
Country : Malaysia
Title : Sistem Inventori Koperasi Buku
Supervisory Committee : Main Supervisor
Status : Completed – September 2001

12. Name : Ramli Bin Saimon @ Sanusi
Degree : Bachelor of Computer Science
Country : Malaysia
Title : Sistem Pembelajaran Struktur Data Secara Interaktif
Supervisory Committee : Main Supervisor
Status : Completed – September 2001

13. Name : Sukri Bin Said
Degree : Bachelor of Computer Science
Country : Malaysia
Title : Sistem Maklumat Bengkel
Supervisory Committee : Main Supervisor
Status : Completed – September 2001

1999/2000

1. Name : Amir Rizaan Abdul Rahiman
Degree : Bachelor of Computer Science
Country : Malaysia
Title : Sistem Pemantauan Kewangan Unit Akaun dan Komputer, Pejabat Bendahari Universiti Putra Malaysia
Supervisory Committee : Main Supervisor
Status : Completed – February 2000

2. Name : Ida Bte Khamis
Degree : Bachelor of Computer Science
Country : Malaysia
Title : Kajian Perbandingan antara Model Peningkatan-
Entiti dan Model Data Semantik dan Cadangan
Model Data Berhubungan
Supervisory Committee : Main Supervisor
Status : Completed – February 2000

3. Name : Imran Bin Sabani
Degree : Bachelor of Computer Science
Country : Malaysia
Title : Pakej Perisian Menjawab Panggilan Telefon
Supervisory Committee : Main Supervisor
Status : Completed – February 2000

4. Name : Kan MeowYoke
Degree : Bachelor of Computer Science
Country : Malaysia
Title : The On-Line Flight Ticket Reservation System
with Database Access using JDBC via Java
Supervisory Committee : Main Supervisor
Status : Completed – February 2000

5. Name : Khairul Azizi Bin Abdul Aziz
Degree : Bachelor of Computer Science
Country : Malaysia
Title : Sistem Pemilihan Calon Master Sains Struktur C
(SPCMSSC)
Supervisory Committee : Main Supervisor
Status : Completed – February 2000

6. Name : Lee We Leng
Degree : Bachelor of Computer Science
Country : Malaysia
Title : Sistem Penasihat Akademik Fakulti Sains
Komputer dan Teknologi Maklumat (SPA
FSKTM)
Supervisory Committee : Main Supervisor
Status : Completed – February 2000

7. Name : Lim Eng Hoe
Degree : Bachelor of Computer Science
Country : Malaysia
Title : Tool for Writing: TextEdit
Supervisory Committee : Main Supervisor
Status : Completed – February 2000
8. Name : Loo Lai Kuan
Degree : Bachelor of Computer Science
Country : Malaysia
Title : Malaria Diagnostic Expert System for Children
Supervisory Committee : Main Supervisor
Status : Completed – February 2000
9. Name : Mohamad Izral Bin Mohamed Ismail
Degree : Bachelor of Computer Science
Country : Malaysia
Title : Sistem Pembelajaran Struktur Data Secara Interaktif
Supervisory Committee : Main Supervisor
Status : Completed – February 2000
10. Name : Mohd Fadzli Md. Nor
Degree : Bachelor of Computer Science
Country : Malaysia
Title : Sistem Penasihat Akademik Fakulti Sains Komputer dan Teknologi Maklumat
Supervisory Committee : Main Supervisor
Status : Completed – February 2000
11. Name : Nor Hafizah Badaruddin
Degree : Bachelor of Computer Science
Country : Malaysia
Title : Pemprosesan dan Pengoptimuman Pertanyaan Hubungan Aljabar
Supervisory Committee : Main Supervisor
Status : Completed – February 2000

12. Name : Noridayu Binti Manshor
Degree : Bachelor of Computer Science
Country : Malaysia
Title : Kios Maklumat – Fakulti Pertanian Universiti
Putra Malaysia
Supervisory Committee : Main Supervisor
Status : Completed – February 2000
13. Name : Nurul Azrin Bin Nor Adnan
Degree : Bachelor of Computer Science
Country : Malaysia
Title : Sistem Maklumat Bahagian Keselamatan
Supervisory Committee : Main Supervisor
Status : Completed – February 2000
14. Name : Ooi Bee Sien
Degree : Bachelor of Computer Science
Country : Malaysia
Title : Interactive Learning System on Data Structure
Supervisory Committee : Main Supervisor
Status : Completed – February 2000
15. Name : Teoh Sin Yee
Degree : Bachelor of Computer Science
Country : Malaysia
Title : Hotel Reservation System
Supervisory Committee : Main Supervisor
Status : Completed – February 2000

Summary of Students' Supervision (1999-2002)

Degree	Completed		Work in Progress	
	Chairperson	Com. Member	Chairperson	Com. Member
Ph.D.	-	1	4	2
Master of Science Structure A	1	-	1	1
Master of Science (Computer Science) Structure C	5	-	-	-
Master of Science (Information Technology) Structure C	12	-	3	-
Bachelor	32	-	25	-
Total	50	1	33	3

Summary of Students' Advisement – Theses/Dissertations, 1999-2002

Name	Degree	Country	Supervisory Committee	Status	Expected Date of Completion
Graduate Theses Completed:					
Mustafa Mat Deris	Ph.D.	Malaysia	Member	Completed	2001
Soon Lay Ki	M.Sc./A	Malaysia	Supervisor	Completed	2001
Chew Feng Ting	M.Sc./C	Malaysia	Supervisor	Completed	2002
Leong Pau Yeu	M.Sc./C	Malaysia	Supervisor	Completed	2002
Loh Tong Loy	M.Sc./C	Malaysia	Supervisor	Completed	2002
Yew Poh Leong	M.Sc./C	Malaysia	Supervisor	Completed	2002
Yip Mun Tsong	M.Sc./C	Malaysia	Supervisor	Completed	2002
Belal Mohammad Zaqaibeh	M.Sc./C	Jordan	Supervisor	Completed	2001
Chew Wai Seong	M.Sc./C	Malaysia	Supervisor	Completed	2001
Firas Ahmad Al-Hanandeh	M.Sc./C	Jordan	Supervisor	Completed	2001
Lew Sook Ling	M.Sc./C	Malaysia	Supervisor	Completed	2001
Zaiti Harun	M.Sc./C	Malaysia	Supervisor	Completed	2001
Chau Kien Tsong	M.Sc./C	Malaysia	Supervisor	Completed	2000
Eu Hin Keong	M.Sc./C	Malaysia	Supervisor	Completed	2000
Fathi Hassan Saad Mohammed El Miligi	M.Sc./C	Sudan	Supervisor	Completed	2000
Manjit Singh A/L Basant Singh	M.Sc./C	Malaysia	Supervisor	Completed	2000
Nisar Ahmed Khan	M.Sc./C	Pakistan	Supervisor	Completed	2000
Omer Ishaq Eldai	M.Sc./C	Sudan	Supervisor	Completed	2000
Tyle Li Fah	M.Sc./C	Malaysia	Supervisor	Completed	2000
Graduate Theses in Progress:					
Azizol Abdullah	Ph.D.	Malaysia	Member	Data Analysis	2003
Belal Mohammad Zaqaibeh	Ph.D.	Jordan	Supervisor	Literature Review	2004
Chau Kien Tsong	Ph.D.	Malaysia	Supervisor	Literature Review	2004
Firas Ahmad Al-Hanandeh	Ph.D.	Jordan	Supervisor	Literature Review	2004
Mohammad Noor Ahmad Mohammad Injadat	Ph.D.	Jordan	Supervisor	Proposal	2004
Lilly Suriani Bt. Affendey	Ph.D.	Malaysia	Member	Data Analysis	2003
Hendry Anhar	M.Sc./A	Indonesia	Member	Thesis Draft Preparation	2003
Ma Mei Chin	M.Sc./A	Malaysia	Supervisor	Literature Review	2004
Chia Sze Kiat	M.Sc./C	Malaysia	Supervisor	Implementation	2002
Lee Pooi Yee	M.Sc./C	Malaysia	Supervisor	Implementation	2002
Norzaini Binti Alias	M.Sc./C	Malaysia	Supervisor	Implementation	2002

Undergraduate Dissertations Completed:					
Ahmad Fahmin Bin Haris	B. Comp. Sc.	Malaysia	Supervisor	Completed	2002
Herasuhanti Hermain	B. Comp. Sc.	Malaysia	Supervisor	Completed	2002
Pendy Hardy	B. Comp. Sc.	Malaysia	Supervisor	Completed	2002
Tan Sze Wei	B. Comp. Sc.	Malaysia	Supervisor	Completed	2002
Adlin Bt. Ahmad	B. Comp. Sc.	Malaysia	Supervisor	Completed	2001
Ahmad Hanis B. Mohd. Shabli	B. Comp. Sc.	Malaysia	Supervisor	Completed	2001
Azran Bin Mohammad Ridzuan	B. Comp. Sc.	Malaysia	Supervisor	Completed	2001
Geetha Sivabalam	B. Comp. Sc.	Malaysia	Supervisor	Completed	2001
Kavitha A/P Krishnasamy	B. Comp. Sc.	Malaysia	Supervisor	Completed	2001
Liao Chee Leong	B. Comp. Sc.	Malaysia	Supervisor	Completed	2001
Mohd. Nizam Bin Jahari	B. Comp. Sc.	Malaysia	Supervisor	Completed	2001
Muhammad Adib Bin Ahmad Khalid	B. Comp. Sc.	Malaysia	Supervisor	Completed	2001
Noor Diana Binti Mohamed Hassim	B. Comp. Sc.	Malaysia	Supervisor	Completed	2001
Norfadliza Binti Minhat	B. Comp. Sc.	Malaysia	Supervisor	Completed	2001
Norhayati Bt. Laila Majnum	B. Comp. Sc.	Malaysia	Supervisor	Completed	2001
Ramli Bin Saimon @ Sanusi	B. Comp. Sc.	Malaysia	Supervisor	Completed	2001
Sukri Bin Said	B. Comp. Sc.	Malaysia	Supervisor	Completed	2001
Amir Rizaan Abdul Rahiman	B. Comp. Sc.	Malaysia	Supervisor	Completed	2000
Ida Bte Khamis	B. Comp. Sc.	Malaysia	Supervisor	Completed	2000
Imran Bin Sabani	B. Comp. Sc.	Malaysia	Supervisor	Completed	2000
Kan Meow Yoke	B. Comp. Sc.	Malaysia	Supervisor	Completed	2000
Khairul Azizi Bin Abdul Aziz	B. Comp. Sc.	Malaysia	Supervisor	Completed	2000
Lee We Leng	B. Comp. Sc.	Malaysia	Supervisor	Completed	2000
Lim Eng Hoe	B. Comp. Sc.	Malaysia	Supervisor	Completed	2000
Loo Lai Kuan	B. Comp. Sc.	Malaysia	Supervisor	Completed	2000
Mohamad Izral Bin Mohamed Ismail	B. Comp. Sc.	Malaysia	Supervisor	Completed	2000
Mohd Fadzli Md. Nor	B. Comp. Sc.	Malaysia	Supervisor	Completed	2000
Nor Hafizah Badaruddin	B. Comp. Sc.	Malaysia	Supervisor	Completed	2000
Noridayu Binti Manshor	B. Comp. Sc.	Malaysia	Supervisor	Completed	2000
Nurul Azrin Bin Nor Adnan	B. Comp. Sc.	Malaysia	Supervisor	Completed	2000
Ooi Bee Sien	B. Comp. Sc.	Malaysia	Supervisor	Completed	2000
Teoh Sin Ye	B. Comp. Sc.	Malaysia	Supervisor	Completed	2000

Examiner

1. Diploma Level – Has examined 14 diploma dissertations (SAK 2999) over the period 1999-2002.
2. Bachelor Degree Level – Has examined 33 bachelor dissertations (SAK 4999) over the period 1999-2002.
3. Graduate Level –
 - (a) Has been appointed as an independent examiner of 21 theses for Master of Science (SAK 5999)
 - (b) Has examined 4 Ph.D. dissertations (SAK 6999).

The details are summarized in the following table.

Name	Title	Date	Venue	Role
Ph.D.:				
Mustafa Mat Deris	Efficient Access of Replicated Data in Distributed Database System	4 December 2001	Bilik Mesyuarat Viva, Pusat Pengajian Siswazah, UPM	Independent Examiner
Khairuddin Omar	Pengecaman Tulisan Tangan Teks Jawi Menggunakan Pengkelas Multiaras	11 April 2000	Bilik Mesyuarat Viva, Pusat Pengajian Siswazah, UPM	Chairperson and Independent Examiner
Siti Mariyam Hj. Shamsuddin	Higher Order Centralized Scale-Invariants for Unconstrained Isolated Handwritten Digits	12 May 2000	Bilik Mesyuarat Viva, Pusat Pengajian Siswazah, UPM	Chairperson and Independent Examiner
Elok Robert Tee	Performance Studies of a Double-layered All-optical Network Architecture	10 April 1999	Bilik Mesyuarat Viva, Pusat Pengajian Siswazah, UPM	Independent Examiner
Master of Science:				
Suzaimah Ramli	Reka Bentuk dan Implementasi Suatu Penghurai Bahasa Melayu Menggunakan Sistem Logik Selari	2 April 2002	Bilik Mesyuarat Viva, Pusat Pengajian Siswazah, UPM	Chairperson and Independent Examiner
Soon Lay Ki	Translating Relational to Object-oriented Database Schema	12 December 2001	Bilik Mesyuarat Viva, Pusat Pengajian Siswazah, UPM	Independent Examiner
Umi Zurina Mohd. Loky	Penglibatan Kakitangan dalam Perancangan Strategik Sistem Maklumat (SISP)	31 October 2001	Bilik Mesyuarat Viva, Pusat Pengajian Siswazah, UPM	Chairperson and Independent Examiner
Maslinda Mohd. Nadzir	Penglibatan Kakitangan dalam Perancangan Strategik Sistem Maklumat (SISP)	31 October 2001	Bilik Mesyuarat Viva, Pusat Pengajian Siswazah, UPM	Chairperson and Independent Examiner
Maya Silvi Lydia	Backus Naur Form Based Script Definition Language for Multimedia Presentation Document	30 August 2001	Bilik Mesyuarat Viva, Pusat Pengajian Siswazah, UPM	Chairperson and Independent Examiner
Loh Chee Heok	Dynamic Bandwidth Allocation in ATM Networks	30 January 2001	Bilik Mesyuarat Viva, Pusat Pengajian Siswazah, UPM	Chairperson and Independent Examiner
Saravanan Kolan De Velu	Performance Evaluation of FDDI Network Using Synchronous Traffic	4 September 2000	Bilik Mesyuarat Viva, Pusat Pengajian Siswazah, UPM	Chairperson and Independent Examiner
Mohamed Ahmad Sullabi	Integrated Environment for Software Documentation	26 July 2000	Bilik Mesyuarat Viva, Pusat Pengajian Siswazah, UPM	Chairperson and Independent Examiner

Fahrul Hakim Bin Huyop @ Ayop	Sistem Penjadualan Waktu Kuliah Fakulti di Universiti Menggunakan Teknik Algoritma Genetik	24 July 2000	Bilik Mesyuarat Viva, Pusat Pengajian Siswazah, UPM	Chairperson and Independent Examiner
Azura Bt Ishak	Kepuasan Pengguna Sistem Maklumat Kerjaya Multimedia Interaktif Berasaskan WEB	31 May 2000	Bilik Mesyuarat Canselori, UPM	Chairperson and Independent Examiner
Ooi Poh San	A Comparative Study of Image File Formats	26 August 1999	Bilik Mesyuarat Viva, Pusat Pengajian Siswazah, UPM	Independent Examiner
Azizi Abas	Satu Rangka Kerja Sistem Tahan Rosak	26 August 1999	Bilik Mesyuarat Viva, Pusat Pengajian Siswazah, UPM	Independent Examiner
Siti Jauyah Sib0 @ Hj. Mohamed Osman	Analisis Sistem Kripto RSA dan LUC serta Prototaip Sistem Pengesahan Aplikasi Telnet	25 August 1999	Bilik Mesyuarat Viva, Pusat Pengajian Siswazah, UPM	Independent Examiner
Idi Fulayi	Building a French Stemmer Using a Dictionary of French Root Words	16 July 1999	Bilik Mesyuarat Viva, Pusat Pengajian Siswazah, UPM	Independent Examiner
Hamirul' Aini Hambali	A Performance Study of ATM Multicast Switch with Different Traffic	22 March 1999	Bilik Mesyuarat Viva, Pusat Pengajian Siswazah, UPM	Independent Examiner
Shamala A/P K. Subramaniam	Predictive Quality of Service Schemes for Real-Time Multimedia Applications in Communications	18 March 1999	Bilik Mesyuarat Viva, Pusat Pengajian Siswazah, UPM	Independent Examiner
Hussein Muzahim Aziz Basi	Performance Modelling for Mobile Cellular Network with Queuing System	18 March 1999	Bilik Mesyuarat Viva, Pusat Pengajian Siswazah, UPM	Independent Examiner
Razali Bin Yaakob	Multi-Aras Rangkaian Neural untuk Pengecaman Warna	10 March 1999	Bilik Mesyuarat Viva, Pusat Pengajian Siswazah, UPM	Independent Examiner
Abu Bakar Bin Md. Sultan	Aliran Kerja dalam Sistem Otomasi Pejabat di Universiti Putra Malaysia: Satu Kajian Kes	4 March 1999	Bilik Mesyuarat Viva, Pusat Pengajian Siswazah, UPM	Independent Examiner
Madhavan Balan Nair	Performance Studies of Multimedia Traffic in CDMA Cellular Network	27 February 1999	Bilik Mesyuarat Viva, Pusat Pengajian Siswazah, UPM	Independent Examiner
Hasan Mugbil Khalaf Abu Al-Else	Static Analyser for Java-Based Object-Oriented Software Metrics	19 February 1999	Bilik Mesyuarat Viva, Pusat Pengajian Siswazah, UPM	Independent Examiner

5. PUBLICATIONS

PUBLISHED WORKS

1. **Ibrahim, H.** Cost and Performance Analysis of Integrity Validation Techniques for a Distributed Database. *Pertanika Journal of Science & Technology*, UPM Press, Volume 10, No. 1, January 2002, pages 35-54.
2. **Ibrahim, H.** Deriving Global and Local Integrity Rules for a Distributed Database. *Malaysian Journal of Computer Science*, Faculty of Computer Science & Information Technology, University of Malaya, Volume 14, Number 2, December 2001, pages 70-80.
3. **Ibrahim, H.**, Gray, W.A. and Fiddian, N.J. Optimizing Fragment Constraints – A Performance Evaluation. *International Journal of Intelligent Systems – Verification and Validation Issues in Databases, Knowledge-Based Systems, and Ontologies*, Edited by: Ronald, R., John Wiley & Sons Inc., Volume 16, No. 3, Mac 2001, pages 285-306.
4. Mat Deris, M., Mamat, A., Pua, C.S. and **Ibrahim, H.** Transactions Sharing Quorum Technique Versus Voting Technique for Replicated Data Management. *Ultra Scientist of Physical Sciences International Journal of Physical Sciences*, Scientist of Physical Sciences, Volume 13, No. 1, January-April 2001, pages 59-66.
5. **Ibrahim, H.**, Gray, W.A. and Fiddian, N.J. Automatic Generation of Distributed Integrity Rules for Integrity Maintenance in a Distributed Database. *Journal of Computing and Information, Section 6: System Constraints, Ontology and Planning*, Volume 3, No. 1, 1998, pages 1-8.
6. **Ibrahim, H.** A Strategy for Semantic Integrity Checking in Distributed Databases. Accepted and to be published in the *Ninth International Conference on Parallel and Distributed Systems, ICPADS 2002*, IEEE Computer Society, Taiwan (Republic of China), 17-20 December 2002.
7. Feras Hanandeh, **Hamidah Ibrahim** and Zaiton Muda. A Strategy for Semantic Integrity Maintenance for Parallel Relational Database Systems. Accepted and to be published in the *2002 International Arab Conference on Information Technology (ACIT'2002)*, Qatar University, 16-19 December 2002.

8. Lilly Suriani Affendey, Ali Mamat, Fatimah Ahmad and **Hamidah Ibrahim**. Mapping XML Video Metadata into Relational Database. *Proceedings of the National Conference on Computer Graphics and Multimedia (CoGRAMM'02)*, UTM Press, Melaka (Malaysia), 7-9 October 2002, pages 108-114.
9. Lilly Suriani Affendey, Ali Mamat, Fatimah Ahmad and **Hamidah Ibrahim**. A Framework for Storing Video Metadata. *ICT Research & Applications (CITRA 2002)*, Kuala Lumpur (Malaysia), 25-26 September 2002.
10. **Ibrahim, H.** Extending Transactions with Integrity Rules for Maintaining Database Integrity. *Proceedings of International Conference on Information and Knowledge Engineering (IKE'02)*, Edited by Hamid R. Arabnia, Youngsong Mun and Bhanu Prasad, Computer Science Research, Education and Application Tech. (CSREA) Press, Las Vegas (USA), 24-27 June 2002, pages 341-347.
11. Hanandeh, F., **Ibrahim, H.** and Muda, Z. A Strategy for Integrity Preservation in Temporal Relational Databases. *The Fourth Workshop on Information and Computer Science – Internet Computing*, IEEE Computer Society, Saudi Arabia, 17-18 Mac 2002, pages 95-103.
12. Lilly Suriani Affendey, Ali Mamat, Fatimah Ahmad, **Hamidah Ibrahim**. A Framework for Implementing a Video Database System. *Proceedings of the National Conference on Research and Development in Computer Science (REDECS 2001)*, UPM Press, Kajang (Malaysia), 22-25 October 2001, pages 403-409.
13. Lay Ki, S., **Ibrahim, H.**, Mamat, A. and Pua, C.S. Translating Relational Model to Object-Oriented Model. *Proceedings of the International Conference on Information Technology and Multimedia (ICIMU 2001)*, Kajang (Malaysia), August 2001, pages 525-532.
14. **Ibrahim, H.** An Overview of Integrity Constraints Enforcement for a Distributed Database. *Proceedings of the 2001 International Conference on Parallel and Distributed Processing Techniques and Applications (PDPTA'2001)*, Volume II, Edited by: Hamid, R.A., Computer Science Research, Education and Application Tech. (CSREA) Press, Las Vegas (USA), 25-28 June 2001, pages 822-828.
15. Lay Ki, S., **Ibrahim, H.**, Mamat, A. and Pua, C.S. Relational-to-Object-Oriented Database Schema Translation. *Proceedings of Information Technology Colloquium 2000 (INTEC 2000)*, UPM Press, Kajang (Malaysia), September 2000, pages 99-104.

- 16. Ibrahim, H.,** Gray, W.A. and Fiddian, N.J. Optimizing Fragment Constraints. *Proceedings of the Ninth International Workshop on Database and Expert Systems Applications (DEXA Workshop)*, Edited by: Tjoa, A.M. and Wagner, R.R., IEEE Computer Society, Vienna (Austria), 26-28 August 1998, pages 48-55.
- 17. Ibrahim, H.,** Gray, W.A. and Fiddian, N.J. SICSDD – A Semantic Integrity Constraint Subsystem for a Distributed Database. *Proceedings of the 1998 International Conference on Parallel and Distributed Processing Techniques and Applications (PDPTA'98)*, Volume IV, Edited by: Hamid, R.A., Computer Science Research, Education and Application Tech. (CSREA) Press, Las Vegas (USA), 13-16 July 1998, pages 1575-1582.
- 18. Ibrahim, H.,** Gray, W.A. and Fiddian, N.J. Rule-Based Integrity Enforcement Strategy for a Distributed Database. *Proceedings of the Third Biennial World Conference on Integrated Design and Process Technology – Issues and Applications of Database Technology (IDPT'98)*, Volume 2, Edited by: Tamer, O., Asuman, D. and Ozgur, U., Society for Design and Process Science (SDPS), Berlin (Germany), 5-9 July 1998, pages 111-118.
- 19. Ibrahim, H.,** Gray, W.A. and Fiddian, N.J. Automatic Generation of Distributed Integrity Rules for Integrity Maintenance in a Distributed Database. *Proceedings of the 9th International Conference on Computing and Information (ICCI'98)*, Edited by: Kamal, K., Amin, Y.N. and Ken, B., Manitoba (Canada), 17-20 June 1998, pages 289-296.
- 20. Ibrahim, H.,** Gray, W.A. and Fiddian, N.J. SICSDD: Techniques and Implementation. *Proceedings of Constraint Databases and Applications, Second International Workshop on Constraint Database Systems (CDB'97)*, Edited by: Gaede, V., Brodsky, A., Gunther, O., Srivastava, D., Vianu, V. and Wallace, W., Springer-Verlag, Delphi (Greece), 11-12 January 1997, pages 187-207.
- 21. Ibrahim, H.,** Gray, W.A. and Fiddian, N.J. Efficient Constraint Checking in Distributed Databases. *Proceedings of the 16th Annual Conference on DATASEM'96*, CS-Compex, a.s., Brno (Czech Republic), 20-22 October 1996, pages 135-146.
- 22. Ibrahim, H.,** Gray, W.A. and Fiddian, N.J. The Development of a Semantic Integrity Constraint Subsystem for a Distributed Database (SICSDD). *Proceedings of the 14th British National Conference on Databases (BNCOD 14)*, Edited by: Ron, M. and Jessie, K., Springer-Verlag, Edinburgh (United Kingdom), 3-5 July 1996, pages 74-91.

UNPUBLISHED WORKS

Unpublished Thesis

1. **Ibrahim, H.**, Semantic Integrity Constraints Enforcement for a Distributed Database. *Ph.D. Thesis*, Department of Computer Science, University of Wales Cardiff (United Kingdom), June 1988.
2. **Ibrahim, H.** A Frame-based Expert System Shell. *M.Sc. Thesis*, University of Wales College of Cardiff, Cardiff (United Kingdom), 1994.

Staff Papers

[Based on articles submitted to various journals or in preparation to be published]

1. **Ibrahim, H.**, Gray, W.A. and Fiddian, N.J. Deriving *Good* Sets of Fragment Constraints – The Constraint Preprocessing Techniques [submitted to *Journal of Distributed and Parallel Databases, USA*].
2. **Ibrahim, H.** Enforcement of Integrity Constraints Against Transactions in a Distributed Database [submitted to *Journal of Distributed and Parallel Databases, USA*].
3. **Ibrahim, H.** Lay Ki, S., Mamat, A. and Muda, Z. Translation Rules for Converting Relational to Object Oriented Database Conceptual Schema [submitted to *Pertanika Journal of Science & Technology, UPM Press (Malaysia)*].
4. **Ibrahim, H.** Deriving Distributed Transaction for Maintaining Database Integrity [in preparation].
5. Belal Zaqibeh and **Hamidah Ibrahim**. Structure Design to Maintenance the Integrity Constraints in Object-oriented Database [submitted to *Arab Conference on Information Technology (ACIT 2002)*].
6. Belal Zaqibeh and **Hamidah Ibrahim**. Restructure Model to Ease Checking Integrity Constraints in Object-oriented Database [submitted to *The International Association of Science and Technology for Development (IASTED 2003), Innsburk (Austria)*].
7. Zaiton Muda, Rusli Abdullah, **Hamidah Ibrahim** and Rabiah Abdul Kadir. A Survey of Network Marketing in E-Commerce, *Technical Report, SAK/TR01/2001*.

8. Zaiton Muda, **Hamidah Ibrahim**, Rabiah Abdul Kadir and Rusli Abdullah. The Impact of e-mail in Reducing the Use of Paper in Government Departments, *Technical Report*, SAK/TR02/2001.
9. Tsong, C. K., **Ibrahim, H.** and Muda, Z. Rule-Based Schema Integration, *Technical Report*, SAK/TR-002/2000.
10. Tsong, C.K., **Ibrahim, H.** and Muda, Z. The Semantic Object Entity Relationship (SOER) Model for Schema Integration, *Technical Report*, SAK/TR-001/2000.

6. CONFERENCES, SEMINARS AND SHORT COURSES ATTENDED

International Conferences and Seminars

1. Co-author for a paper “A Strategy for Integrity Preservation in Temporal Relational Databases”. 17-18 March 2002. Paper presented at *the Fourth Workshop on Information and Computer Science – Internet Computing*, Saudi Arabia. [Authors: Hanandeh, F., **Ibrahim, H.** and Muda, Z.]
2. Co-author for a paper “Translating Relational Model to Object-Oriented Model”. August 2001. Paper presented at *the International Conference on Information Technology and Multimedia (ICIMU 2001)*, Kajang (Malaysia). [Authors: Lay Ki, S., **Ibrahim, H.**, Mamat, A. and Pua, C.S.]
3. Presenter and Author for a paper “An Overview of Integrity Constraints Enforcement for a Distributed Database”. 25-28 June 2001. Paper presented at *the 2001 International Conference on Parallel and Distributed Processing Techniques and Applications (PDPTA '2001)*, Las Vegas (USA).
4. Co-author for a paper “Optimizing Fragment Constraints”. 26-28 August 1998. Paper presented at *the Ninth International Workshop on Database and Expert Systems Applications (DEXA Workshop)*, Vienna (Austria). [Authors: **Ibrahim, H.**, Gray, W.A. and Fiddian, N.J.]
5. Presenter and Co-author for a paper “SICSDD – A Semantic Integrity Constraint Subsystem for a Distributed Database”. 13-16 July 1998. Paper presented at *the 1998 International Conference on Parallel and Distributed Processing Techniques and Applications (PDPTA '98)*, Las Vegas (USA). [Authors: **Ibrahim, H.**, Gray, W.A. and Fiddian, N.J.]

6. Presenter and Co-author for a paper “Rule-Based Integrity Enforcement Strategy for a Distributed Database”. 5-9 July 1998. Paper presented at *the Third Biennial World Conference on Integrated Design and Process Technology – Issues and Applications of Database Technology (IDPT’98)*, Berlin (Germany). [Authors: **Ibrahim, H.**, Gray, W.A. and Fiddian, N.J.]
7. Co-author for a paper “Automatic Generation of Distributed Integrity Rules for Integrity Maintenance in a Distributed Database”. 17-20 June 1998. Paper presented at *the 9th International Conference on Computing and Information (ICCI’98)*, Manitoba (Canada). [Authors: **Ibrahim, H.**, Gray, W.A. and Fiddian, N.J.]
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9. Presenter and Co-author for a paper “Efficient Constraint Checking in Distributed Databases”. 20-22 October 1996. Paper presented at *the 16th Annual Conference on DATASEM’96*, Brno (Czech Republic). [Authors: **Ibrahim, H.**, Gray, W.A. and Fiddian, N.J.]
10. Presenter and Co-author for a paper “The Development of a Semantic Integrity Constraint Subsystem for a Distributed Database (SICSDD)”. 3-5 July 1996. Paper presented at *the 14th British National Conference on Databases (BNCOD 14)*, Edinburgh (United Kingdom). [Authors: **Ibrahim, H.**, Gray, W.A. and Fiddian, N.J.]

National Conferences and Seminars

1. Co-author for a paper “Mapping XML Video Metadata into Relational Database”. 7-9 October 2002. Paper presented at the *National Conference on Computer Graphics and Multimedia (CoGRAMM’02)*, Melaka (Malaysia), Authors: Lilly Suriani Affendey, Ali Mamat, Fatimah Ahmad, **Hamidah Ibrahim]**
2. Co-author for a paper “A Framework for Storing Video Metadata”. 25-26 September 2002. Paper presented at *the Conference on ICT Research & Applications (CITRA 2002)*, Kuala Lumpur (Malaysia), [Authors: Lilly Suriani Affendey, Ali Mamat, Fatimah Ahmad, **Hamidah Ibrahim]**

3. Co-author for a paper “A Framework for Implementing a Video Database System”. 22-25 October 2001. Paper presented *the National Conference on Research and Development in Computer Science (REDECS 2001)*, Kajang (Malaysia). [Authors: Lilly Suriani Affendey, Ali Mamat, Fatimah Ahmad, **Hamidah Ibrahim**]

4. Co-author for a paper “Relational-to-Object-Oriented Database Schema Translation”. September 2000. Paper presented at *the Information Technology Colloquium 2000 (INTEC 2000)*, Kajang (Malaysia). [Authors: Lay Ki, S., **Ibrahim, H.**, Mamat, A. and Pua, C.S.]