

RESUME

A. PERSONAL DETAILS

Name : Sapiee Bin Haji Jamel
IC : 660601-13-5589 / K0083310
Date of Birth / Age : 1st June 1966 / 46
Marital Status : Married
Residential Address : NO 20 Jalan Siswa Jaya 2,
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Batu Pahat 86400
Johor
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Email Address : sapiee@uthm.edu.my
Languages Spoken & : English and Bahasa Malaysia
Written



B. EDUCATION

1986 - 1990 : Bachelor of Applied Science in Computer Studies
University of South Australia, Adelaide, Australia
1990 - 1991 : Bachelor of Applied Science(Hons) in Computer Studies
University of South Australia, Adelaide, Australia
1993 - 1995 : Group Diploma In Accountancy (LCCI)
CADAS Business School, Kuching.
1996 - 1999 : Master of Information Technology
Queensland University of Technology (QUT)
Brisbane, Australia.
2002 – 2004 : Cisco Certified Network Associate (CCNA)
Cisco Certified Academy Instructor (CCAI)
SCUBA Instructor (NAUI, SSI)

2006 – 2012

Doctor of Philosophy in Information Technology (Ph.D.)
Universiti Tun Hussein Onn Malaysia.

C. TEACHING-LEARNING ACTIVITIES

i. Courses taught for undergraduates and postgraduates at various institutions:

Diploma

- Communications and Computer Networks
(Telecom Training College – Kuching and Kuala Lumpur)

Undergraduate

- Communications and Computer Networks (UTHM)
- Network Computing Lab (UNIMAS)
- High Speed Networks (UTHM)
- Distributed Computing
- Computer Architecture (IDEAL – UPM)
- Data Communication (IDEAL – UPM)

Postgraduate

- Information Infrastructure (Master of Advanced Information Technology)

Visiting Lecturer/Instructor to other institutions (Cisco Regional Academy Project)

- CCNA 1: Networking Basics
- CCNA 2: Routers and Routing Basics
- CCNA 3: Switching Basics and Intermediate Routing
- CCNA 4: WAN Technologies

ii. Supervision of students

Undergraduate (Final Year Project)

- LAN Subscribers' Present Notification and Messaging System
- Electronic Clinic Management System (e-CMS)
- Computerized Filing System
- UNIMAS IP Management using Subnet
- Simulator for Learning C Programming language

Internal Examiner (Master of Information Technology)

- Integrated Firewall for A Virtual Campus (2002)

D. WORK EXPERIENCE

- 1992 - 1996 Sarawak Information Systems Sdn. Bhd.(SAINS)
- Working in various area such as
- Member for Local Authorities System Implementation Team
 - Trainer for Office Automation Project
 - Technical Support Group
 - Head Of Administration
 - Head of Procurement
- 1993 - 1995 Institute Teknologi Mara (ITM) and Matriculation Centre, Universiti Malaysia Sarawak (UNIMAS).
- Part-time Lecturer
- 1996 - 1998 Surpass Technology International P/L (Brisbane)
- Working in sales and technical support which involves
- Assembling / Upgrading / Repairing computers
 - Sales of new computers
- 1998 - 1999 JLC Electronics P/L (Brisbane)
- Working in technical support which involves
- Assembling / Testing/ Upgrading / Repairing computers
 - Customer Support
- 1999 - 2000 Sarawak Information Systems Sdn. Bhd.(SAINS)
- Customer Care Executive (Account Management)
 - Network Engineer (LAN implementation team)
- 2000 - September 2005 University Malaysia Sarawak (UNIMAS)
- Deputy Dean (Undergraduate and Student Development), Faculty of Computer Science and Information Technology
 - Head of Programme, Network Computing.
 - Project Leader, Cisco Regional Academy Project
- October 2005 – now Universiti Tun Hussein Onn Malaysia (UTHM)
- Senior Lecturer

E. RESEARCH & DEVELOPMENT

I. CISCO Regional Academy Project

Project Leader (2000 till 2005)

Other Member

1. Kismet Hong Ping

Activities

Train other institutions for Local Academy which includes

1. Universiti Malaysia Sabah (UMS)
2. Curtin University (Miri Campus)
3. Pusat Pembangunan Kemahiran Sarawak (PPKS)

II. Voice Communications over Wireless Local Area Network for Rural Communities.

Member of the short term UNIMAS grant (2003 - 2004)

III UNIMAS-KDDI-Waseda University (Japan) Collaborative Project Experiment in Rural Area Using Wireless LAN System (2003)

IV Publications

1. **Sapiee Haji Jamel**, Mustafa Mat Deris, Iwan Tri Ryadi Yanto and Tutut Herawan (2011), HiSea: A Non Binary Toy Cipher. *Journal of Computing*, Vol. 3 (6), Issue 6, June 2011.
2. **Sapiee Haji Jamel**, Mustafa Mat Deris, Iwan Tri Ryadi Yanto and Tutut Herawan (2011), The Hybrid Cubes Encryption Algorithm (HiSea). *International Conference on Computational Science, Engineering and Applications – ICCSEA 2011, Dubai*, (Published by Springer Verlag).
3. **Sapiee Haji Jamel**, Tutut Herawan and Mustafa Mat Deris (2010), A Cryptographic Algorithm using Hybrid Cubes. *International Conference on Computational Science and Its Applications – ICCSA 2010, Sangyo University, Fukuoka, Japan*. (Published by Springer Verlag).
[**Number of citations : 2**]
4. **Sapiee Haji Jamel**, Tutut Herawan and Mustafa Mat Deris (2009), Steps For Constructing Magic Cube Using Two Orthogonal Latin Squares and A Magic Square. *Malaysian Technical Conference and Engineering and Technology (MUCEET 2009)*. Pahang.
5. **Sapiee Haji Jamel** and Mustafa Mat Deris, Diffusive Primitives in the Design of Modern Cryptographic Algorithms. *International Conference on Computer &*

Communication Engineering (ICCCE'08), International Islamic University Malaysia on 13- 15 May 2008, Hotel Istana, Kuala Lumpur.

6. **Sapiee Haji Jamel**, Kamaruddin Malik Mohamad, Mustafa Mat Deris (2007), Application of Linear Algebra and Modular Arithmetic in the Design of Cryptographic Algorithms. *The 3rd IMT-GT Regional Conference on Mathematics, Statistics and Applications* (IMT-GT RCMSA 2007). Pulau Pinang.
7. **Sapiee Haji Jamel**, Tan Sheik Lin, Noor Farzilawati Md Nasir, Mustafa Mat Deris (2007), Multimedia Application for cryptographic substitution boxes (s-boxes) and diffusion design Principles. *Third International Conference on Research and Education in Mathematics (ICREM3)*. Kuala Lumpur.
8. **Sapiee Haji Jamel**, Rosziati Ibrahim “*Knowledge Retrieval through E-Learning: A Case Study of CISCO Academy*”, in the Proceedings of the Symposium of Information Technology (ITSim03), Universiti Kebangsaan Malaysia (UKM), Kuala Lumpur, 30 – 2 October 2003.
9. Rosziati Ibrahim, **Sapiee Haji Jamel**, Faizah Shahbudin “*Knowledge Retrieval through E-Learning: A Case Study of TITAS Courseware*”, UNIMAS Research Symposium (URS05), 4 – 5 April 2005.
10. Hiroyuki Agashira, Shunji Ishiwaka, Yoshiyori Urano, Khairuddin Ab-Hamid, Kulathuramaiyer Narayanan, **Sapiee Haji Jamel**, Yuki Umezawa, *APT/HRD : Experiment in Rural Areas Using Wireless LAN System*, Asian Info-Communications Council (AIC), Manila. November 2002.

V Conferences / Workshop Attended

1. Symposium of Information Technology (ITSim03), Universiti Kebangsaan Malaysia (UKM), Kuala Lumpur, 30 – 2 October 2003.
2. Annual Cisco Networking Academy Training Workshop 2003, Sheraton Grande Laguna Hotel Phuket, Thailand. 10 – 12 Dec 2003.
3. Cisco Networking Academy Workshop – Malaysia, Grand BlueWave Hotel, Shah Alam. Selangor 26 – 27/7/2004

F. OTHER INFORMATION

Date of Confirmation as Senior Lecturer: 28 March 2007 (UTHM)

Award: Perkhidmatan Cemerlang 2002, UNIMAS
 Anugerah Perkhidmatan Cemerlang 2003, UNIMAS
 Perkhidmatan Cemerlang 2004, UNIMAS

Interest: SCUBA Diving