

Executive Summary

Alvin Yeo Wee earned his PhD and Bachelor of Computing and Mathematical Sciences (Hons) from the Computer Science Department, University of Waikato, New Zealand. He joined the Faculty of Computer Science and Information (FCSIT), Universiti Malaysia Sarawak (UNIMAS) in 1994, and currently is an Associate Professor at FCSIT. He is also the Director of the Institute of Social Informatics and Technological Innovations (ISITI).

Teaching Learning

With regards to teaching, he has taught in 12 undergraduate courses at FCSIT. Eleven undergraduate final year projects (FYPs), 14 Master and 7 PhD students have come under his supervision. Of these FYPs students, nine have completed (3 are to complete this semester). Since 2008, four Masters, one MAIT and one PhD student have graduated. (another PhD student has submitted his thesis and a Master student is awaiting her viva). Alvin has also examined PhD and Master theses from University of Melbourne, Australia; University of Cape Town, South Africa; University of Waikato, New Zealand; Swinburne University of Technology, Australia; as well as Universiti Sains Malaysia, Universiti Teknologi Malaysia, and UiTM (Shah Alam).

Research

Alvin has expertise in the area of Information Systems, specifically in Information and Communications Technology for Rural Development (ICT4RD) and human computer interaction (HCI). Overall he has co-authored 87 papers in the area of ICT4RD and HCI. Of these papers, 19 are in indexed journals and conferences. He currently has a Google-Scholar H-index of 8 (since 2008).

From 2008, Alvin has been involved in 27 projects bringing in funding of RM 10 million (USD 3.3 mil) to UNIMAS. These projects comprise 7 international and 20 national projects, of which he is heading/has headed 8 projects. The projects range from ICT4RD projects, using ICTs to preserve and maintain indigenous languages, rural sustainability projects as well as projects involving technological innovations. His projects have received 1 international (Gold at British Invention Show), 2 national (APICTA Award and ITEX), and numerous University awards (3 Golds, 5 Silvers, and 4 Bronzes).

Alvin has reviewed papers in over 30 conferences and journals, of which 17 are indexed. He has also reviewed ICT4RD research proposals from National Science Foundation in South Africa. Alvin has co-organised conferences such as the eBario Knowledge Fair, as well as the 10th International Workshop on Internationalisation of Products and Systems (IWIPS'11); the first time it was held outside Europe and North America. He is an editor of 6 conference proceedings, and an Associate Editor of the Journal of Community Informatics.

Alvin is recognised for his ICT4RD expertise. He was recently involved in the review of the National Strategic Framework on Bridging the Digital Divide conducted by the Economic Planning Unit (EPU), Prime Minister's Department, Malaysia. Alvin has been an invited speaker for events organized by EPU and International Telecommunication Union-Centre of Excellence Universiti Utara Malaysia. He has presented his research work nationally and internationally, both as invited speakers as well in conferences.

Consultation

Of the 4 consultation projects he has conducted, three of these projects involve industry. With ISITI, Alvin has been actively collaborating with ISITI's technology partner, MAXIS. The collaboration has resulted in consultation, contract research projects, software application deployment as well as telecentre management in Malaysia Communications and Multimedia Commission/MAXIS's 16 community broadband centres in Malaysia.

Management/Contribution

Alvin is a pioneer staff at FCSIT since 1994. In addition to appointments as Programme Head and Deputy Dean (Postgraduate and Research), he was also the Director of the Centre of Excellence for Rural Informatics from 2008 and became the founding Director of ISITI in 2011. He serves on a number of University committees, such as the ICT Expert Panel, has received the UNIMAS Staff Excellent Service Award and numerous University accolades. At the national level, he is Chair of the Standing Committee for Science and Technology in the Human Factors and Ergonomics Society of Malaysia, and is a Member of Expert Review Panel for the Sub-sector of ICT for "National Brain Gain Programme", appointed by the Academy of Sciences Malaysia. He is also the pro-tem Chair for the Sarawak Chapter of the Malaysia Software Testing Hub.

A. Personal Details

Full Name

Alvin YEO Wee Ph.D.



Current Position at Faculty/Centre/Institute

Associate Professor, Faculty of Computer Science and Information Technology

Director and eBario Team Leader, Institute of Social Informatics and Technological Innovations, Centre of Excellence for Rural Informatics

Standing Committee Chair for Science and Technology, Human Factors and Ergonomics Society Malaysia

Expert Review Panel Member for the ICT Sub-sector “National Brain Gain Programme”, Appointed by the Academy of Sciences Malaysia.

Malaysian Software Testing Hub – Sarawak Chapter – Pro-tem Chairman

Sarawak Development Institute (SDI) Information and Communication Technology Committee Member

Advisor of Faculty of Computer Science and Information Technology’s Sarawak Language Technology (SaLT) Research Cluster

Area(s) of Specialisation

Information Systems: ICT for rural communities, human computer interaction, language technology

Date of appointments

Associate Professor: Dec 2007

Lecturer: Sept. 2002

Education and Academic Qualification

- Ph.D. Dept. of Computer Science, University of Waikato, New Zealand, 2002. *Thesis: Exploring Usability Evaluation of Localised Software in Malaysia*
- Bachelor of Computing and Mathematical Sciences (Hons), Information System, Dept. of Computer Science, University of Waikato, New Zealand, 1994.

Previous Academic and other relevant Appointments

- **Deputy Dean** (Postgraduate and Research) Faculty of Computer Science and Information Technology, Universiti Malaysia Sarawak, *May 2004 – April 2008*
- **Head of Information Systems Program** Faculty of Computer Science and Information Technology, Universiti Malaysia Sarawak, *Nov. 2002 – April 2004.*

B. Teaching-learning Activities (2008-present)

NUMBER OF COURSES TAUGHT

Undergraduate courses: 12

Postgraduate courses: 1

Refer to **Appendix A** for list of courses

STUDENT SUPERVISION

Main Supervisor at UNIMAS, unless indicated otherwise

PhD Level

1. Lim Tek Yong *Designing Distributed Synchronous Groupware: A Theoretical Framework for Collaborative Awareness*: (2008:Completed)
2. Tariq Zaman. *Knowledge Management for Indigenous Communities*. (Submitted for examination)
3. Amaal Saleh Hassan Ah –Hashimy *A Multi Natural Language Interface to Open Domain QA System Based on the Interlingual Strategy Including Arabic and English Languages (NLIQA-AE)* (Co-supervisor): (Submitted for examination)
4. Shaista Falak. *Business Information System Model for Sustainable Rural Tourism in Malaysia*. (Data collection).
5. Ghazala Tabassum. *Socio-economic Evaluation of Telecentres*. (Literature Review).
6. Aziz Udin. *Generating Pashto Clitics*. (Co-supervisor)(Literature Review)
7. Choo Ai Ling. *Speech Recognition of Ethnic Languages with Sparse Data*.(Literature Review)

Master Level (MSc, equivalent of MPhil Main Supervisor at Unimas, unless indicated otherwise

1. Loh Chee Wyai. *Multimodal Integration in Spatial Queries*. (2011: Completed)
2. Chiu Po Chan *Universal Accessibility: Eye-gaze Drawing in Disabled Users*. (2009:Completed.)
3. Ong Siou Chin *Knowledge Discovery: Developing a Concept Formation Framework*. (co-supervisor): (2008:Completed.)
4. Cam Le Lam *Fostering Students Interactivity through Online Communication Tools: Student Viewpoints*. (Offshore Supervisor, University of Wollongong, Australia) (2008: Completed.)
5. Yong Soo Fong. *Generic Named-Entity Recognition*. (Awaiting viva)
6. Chin Sook Kuan. *Computer Supported Collaborative Work in Development of Orthography System* (Writing final draft)
7. Teh Lee Na. *Multilingual Multimodal Integration*. (Writing final draft)
8. Panceras Talita. *Multilingual WordNet*.(Writing final draft)
9. Beatrice Chin. *Machine Translation of Ethnic Languages Using Pivot Language*. (Writing up.)
10. Siew Siang Ting. *Community-Centred Software Development Methodology*. (Evaluation of prototype)
11. Cheong Chai Yeen. *Crowdsourcing of Corpora Building of Indigenous Languages*.(Development)

Master in Advanced IT, degree by coursework, research module equivalent to two courses

1. Cynthia Lee. *Domain-tolerant Multimodal Integration*. (2012: Completed)
2. Salfa Kamazura *Integration of Speech and Sketch in an Interactive Tutoring System*.
3. Amilda Abu Bakar. *Providing equal eGovernment access to remote communities*.

Refer to **Appendix B** for list of Undergraduate Students' Projects and List of Mentees

EXAMINATION OF STUDENT THESIS

PhD Thesis (External)

1. Selvakumar Manickam. 2013. *Multi-source Ontology-driven case acquisition and translation info-structures an Approach to Derive Experiential Knowledge from Structures and Unstructured Sources*. Universiti Sains Malaysia.
2. Samuel Bartels. 2012. *Development of wireless network planning software for rural community use*. University of Waikato. New Zealand
3. Suriyati Razali. 2012. *Community Based e-Museum Framework: Towards Sustainable Cultural Heritage Community Information Systems*. Universiti Teknologi Mara.
4. Weizhen Lei. 2010. *Digital Transitions: A study of ICT Adoption by Rural-Urban Migrants in Beijing*. University of Melbourne, Australia.

Master by Research Thesis (External)

1. Gereon Kapuire. 2013. *An Explorative Action Research Study Towards the Design of A Digital Knowledge Organisation as Part of an Indigenous Knowledge Management System with a Hereto Community*. University of Cape Town.
2. Astria Dhita Wandani. 2012. *Designing an Interactive Comic for Mobile Phones: Based on User Preferences in Malaysia*. Swinburne University of Technology.
3. Ng Pek Shi. 2011. *Community-Based Volunteering Utilising Wikinomics Principle*. Universiti Teknologi Malaysia.

Master by Research Thesis (Internal)

1. Amy Tiong. 2010. *AR Network: A Desktop Collaborative Augmented Reality (AR) Game*. UNIMAS.
2. Lim Yar Fen. 2008. *Bare-handed Control in Augmented Environments*. UNIMAS.

Master by Coursework Thesis (External)

1. Heng Long Boo. 2008. *Intelligent Travel Consultancy*. Multimedia University Malaysia.

C. Research and Development (2008-present)

*Member of the Research Project, unless otherwise stated. Refer to **Appendix C** for Synopsis of projects.*

Completed (International)

1. *Technology Enhanced Solutions for Remote Rural Communities in Malaysia to Facilitate Development of Learning and preservation of Local Knowledge and to Create Health Awareness and Practices for Healthy Living –J3 Project*. APT. (2011-2012)
2. *Indigenous Technological Innovation in Malaysia: Reducing vulnerability and marginalization among Malaysia Indigenous Peoples*. (2011-2012). International Federation for Agricultural Development. (Headed by Alvin Yeo).
3. *Promoting International Debate on Ethical Implications of Data Collection, Use and Retention for Biometric and Medical Applications*. European Union Seventh Framework Programme. (2009-2010) (Headed by Alvin Yeo).
4. *Sustainable and Community-Based Tourism in Barrio*. (2011-2012). Headed by Iwao Kato.

Completed (National)

1. *Needs Analysis in Developing Telecentres Programme for the Indigenous Peoples of Peninsular Malaysia*. (2011-2012). Economic Planning Unit, Prime Minister's Department. (Headed by Professor Datuk Khairuddin Ab Hamid).
2. *Preparatory research concerning remote international training aiming at building a resilient society adaptable to extreme weather conditions*. (2010-2011). (Headed by Kaoru Takara) Center for South East Asian Studies, Kyoto University, Japan.
3. *A Generic Text to Speech System for Indigenous Languages in Sarawak*. (2010-Present) (Headed by Sarah Flora Juan Samson). MOSTI Science Fund.
4. *iPepper: Automatic Intelligent Pepper Grading and Quality Assurance System*. (2010-Present) (Headed by Dr. Dyg. Nur Fatimah). MOSTI Science Fund
5. *Affordable Long Range Wireless Connectivity for Rural Communities*. (2008-2010). (Headed by Professor Datuk Khairuddin Ab Hamid). MOSTI Science Fund.
6. *Development and Evaluation of Awareness Components for Translation Groupware* (2009-2010) (Headed by Dr. Lim Tek Yong). MOSTI Science Fund.
7. *Asia-Pacific Telecommunity (APT) HRD Programme for Exchange of ICT Researchers and Engineers 2009 entitled 'Bridging the Digital Divide in Remote Rural Areas: A Universal Playground for Children. APT Project*. (Headed by Professor Datuk Khairuddin Ab Hamid).
8. *The Grassroots Grant Assistance For Human Security Project From The Government Of Japan Under Official Development Assistant (ODA) For Bakelalan, Long Lamai and Larapan Electrification Using Solar PV System*. (Headed by Prof Datuk Khairuddin)

On-going

1. *Telecentre Programme for Orang Asli under the Bridging the Digital Divide Programme* Funded by Jabatan Hal Ehwal Orang Asli, Ministry of Regional and Rural Development. (1 May 2013-30 April 2018)
2. *Developing an Intergenerational Indigenous-Knowledge Management Systems for the Singai-Bidayuhs, Sarawak*. (April 2013-September 2014).
3. *Success and Happiness by Activating Regional Economy (SHARE)* (2013-2015). TTC (Japan)
4. *MAXIS Community Broadband Centre: Reporting, Marketing, and ICT Enrichment Training Programme*. (2013-2014). Contract Research. (Headed by Alvin Yeo).
5. *Pusat Internet 1 Malaysia Assessment*. (2013). Contract Research. (Headed by Alvin Yeo).
6. *Ngerabit eLamai: ICTs Supporting Socio-economic Transformation*. (2013). *Majlis Profesor Negara* National Professor's Council (NPC): Community Outreach Programme. (Headed by Alvin Yeo)
7. *Initiative for e-Commerce Capacity-Building of Penans in Long Lamai Sarawak. Ministry of Higher Education Malaysia*. (2012-2014). Knowledge Transfer Programme. (Headed by Alvin Yeo).
8. *Constructing a Competitive Rural Tourism Competency Index for Rural Tourism Destinations in East Malaysia (RAGS)*. (2013-2014). (Headed by Sharon Cheuk).
9. *Micro-hydro System for Long Lamai. Grassroots Grant Assistance for Human Security Project by the Government of Japan*. (2012-2013). Government of Japan. (Headed by Alvin Yeo)

10. *Asynchronous Collaborative Orthography Development Methodology for Indigenous Languages*. (Member). (2012-2013). Exploratory Research Grant Scheme.
11. *Mobile Computer Assisted Intervention Programme (The Evaluation and Process Protocols) For Isolated Speech and Language Impairment among Pre-School Children*. (2012-2013). Exploratory Research Grant Scheme.
12. *Multi-Dimensional Responsible Rural Tourism Capacity Framework For Sustainable Tourism. Project 4: Integrated Barometric Decision-Support ICT-Framework for RRTC Management*. (2011-2016). Long Term Research Grant Scheme.
13. *Multi-Dimensional Environmental Framework for Sustainable Tourism*. (2012-2016). Long Term Research Grant Scheme
14. Indigenous Knowledge Governance Framework. UNIMAS Dana Principal Investigator. (2011-2013). (Headed by Alvin Yeo).
15. Communities' Attitudes towards Tourism Development in Rural Tourism Destination. The Role of Information and Communication Technologies. (2012-2016). UNIMAS CoE Project.

Consultation Activities

Title	Year	Team Members (L: Leader)	Client
1. MAXIS Connected Village Programme	2013	Alvin W. Yeo, Jacey Lynn Minoi (L), Gary Loh, Fitri Suraya Mohamad	MAXIS Sdn Bhd
2. Social Engagement and Technology Evaluation.	2011	Alvin W. Yeo (L), Jacey-Lynn Minoi, Amelia Jati	Ericsson Malaysia
3. Advisor for P1's Bridging the Digital Divide Efforts 2009	2009-2010	Alvin W. Yeo	P1: Packet One Networks (M) Sdn Bhd
4. Mapping the Bridging the Digital Divide Initiatives	2008	Alvin W. Yeo (L), Johari Abdullah, Gary Loh Chee Wyai	Economic Planning Unit

D. Contribution to management (2008-present)

Administrative Duties

International Level

1. Fellow of International Program for Collaborative Research Kyoto University Center for South East Asian Studies (CSEAS) 2010

National Level

1. Member of Steering and Technical Committee, *Way Forward For Bridging Digital Divide Programme* Economic Planning Unit, Prime Minister's Department, March – July 2012.
2. Pro-tem Chair for Sarawak Chapter Malaysian Software Testing Hub. 10 Oct 2011- Present Chair
3. Appointment as Judge for Universiti Malaysia Sabah's PEREKA (Research and Inventor's Expo) 6-8 June 2011.

4. Human Factors and Ergonomics Society Malaysia. Standing Committee Member Science and Technology. (23 July 2011- 22 June 2013)
5. Appointment as Member of Expert Review Panel for the Subsector of ICT for “National Brain Gain Programme” Appointment by Academy of Science Malaysia (1 July 2005 – 31 Dec. 2010)(*End of Brain Gain Programme*)
6. Committee Member of *Pro-tem* Human Factors and Ergonomics Society Malaysia – Chair of Human Computer Interaction (2010 – 2011)

University-Level

1. Director, Institute of Social Informatics and Technological Innovations (Mar. 2011 - Present)
2. Director, Centre of Excellence for Rural Informatics (Nov. 2008 – Present)
3. Deputy Director, Centre of Excellence for Rural Informatics (August 2008 – Nov 2008).
4. UNIMAS Academic Information Service Committee (2011-Present)
5. UNIMAS Technology and Engineering Expert Panel (2011-2013)
6. UNIMAS ICT Expert Panel (2013-Present)
7. UNIMAS Academic Publications Committee (2011-Present)
8. UNIMAS Webometrics Committee (2011)
9. Task Force for Revision for UNIMAS ICT Policy (2010)
10. Adhoc Planning Committee for UNIMAS-SCORE Research Park in Mukah (2010)
11. Editorial Board, Committee Member Outreach UNIMAS Research Bulletin (2008 – Present)
12. Editorial Board, Committee Member Research Update UNIMAS Research Bulletin (2008 – Present)
13. Editorial Board, WartaPasca, *Majalah Pusat Pengajian Siswazah* (Graduate Studies Magazine) (2008 – 2010)

Faculty-Level

1. Member of Faculty: Faculty Committee, Management Committee (2004-Present)
2. Head of the Knowledge Systems Research Group (2006-2010); Deputy (2004-2006)
3. Advisor of Sarawak Language Technology (SaLT) Research Group (2013-Present)
4. Head of Sarawak Language Technology (SaLT) Research Group (2007-2013).

E. Other information (2008-present)

(International)

1. **Gold Award:** TourScape: An Integrated Systematic Approach to Manage Tourism Destinations. British Invention Show. 27 Oct 2012.

Awards (National)

1. **APICTA Merit Award (eInclusion, eCommunity Category):** Ngerabit eLamai: Penans Employing ICTs for Rural Economic Transformation. 16 Oct 2012.
2. **Anak Sarawak Award.** Organising the International Workshop for Internationalisation of Products and Services in Sarawak. 26 Nov. 2010

3. **ITEX**, Silver, 21st International Invention Innovation and Technology Exhibition. 14-16 May, Kuala Lumpur, 15-17 May 2010
4. **APICTA Award Finalist** (eInclusion, eCommunity Category) Translation of Iban and English (TRIBE), 9 Aug 2010
5. **APICTA Award Finalist**, eBario, Finalist, 16 Oct 2008

Awards (University)

UNIMAS R & D Expo

1. University R & D Expo 2013. Gold. *Tourism Destinations: Achieving Performance Sustainability Through Spatial Integration.*
2. University R & D Expo 2013. Gold. *eTORO: Formalising Indigenous Knowledge Governance Framework.*
3. University R & D Expo 2013. Silver. *Telecentre Indicators for Rural Tourism Development.*
4. University R & D Expo 2012. Gold. *Developing Rural Tourism: Effective Positioning Strategies and Enhancing Destination Commercial Values.*
5. University R & D 2012. Silver. *Indigenous Technological Innovation in Malaysia : Reducing vulnerability and Marginalization among malaysia's indigenous peoples.*
6. University R & D 2012. Silver. *From Bario To Yufuin: Close Encounter of A Community Based Tourism in Malaysia and Japan*
7. University R & D Expo. 29 March 2011. Silver. *Iban-Melanau Spell Checker.*
8. University R & D Expo. 29 March 2011. Bronze. *Named-Entity Recognition for Sarawak Indigenous Languages.*
9. University R & D March 2011. Bronze. *Peripheral Tourism Destination: Service quality and Customer Satisfaction.*
10. University R & D Expo. 29 March 2011. Bronze. *Syllable based text to speech synthesizer for Bidayuh Bau*
11. University R & D Expo 2010: Silver *Iban-English Translation*; Bronze: *Identification of Closely Related Languages.*
12. University R & D Expo 2010: Bronze. *Exploratory Approach in Determining Closely-Related Indigenous Languages of Sarawak*

Staff Excellence Award

1. UNIMAS Excellence Award Ceremony 7 July 2012 - Highest National R and D Grant. (Member)
2. UNIMAS Staff Excellent Service Award 2011
3. UNIMAS Excellence Award Ceremony 22 July 2011 – Special Achievement Research Award.
4. UNIMAS Excellence Award Ceremony 22 July 2011 - Highest International R and D Grant. (Leader)
5. UNIMAS Excellence Award Ceremony 22 July 2011 - Highest National R and D Grant. (Member)
6. UNIMAS Researchers Award Night 2010 - Highest International R and D Grant.

7. UNIMAS Researchers Award Night 2009 - Highest National R and D Grant.

Faculty Level

1. Faculty of Computer Science and Information Technology Outstanding 2010 Research and Development Award Night. *Highest International Research Project.*
2. Faculty of Computer Science and Information Technology Outstanding 2008 Research and Development Award Night. *Best National Research Project.*
3. Faculty of Computer Science and Information Technology *Best 3rd Year Instructor 2008*

Certificates

1. APICTA Brunei-Certificate of Participation for project Ngerabit eLamai: Penans Employing ICT for Rural Socio-economic Transformation, 5 December, 2012.
2. Universiti Malaysia Sarawak –Certificate of Copyright for Iban and Melanau Word Processing Tool-Spell Checker, 14 September, 2012
3. SEANES. Certificate of Appreciation, 9-12 July 2012, Langkawi, Malaysia
4. Rotary Club of Kuching- Certificate of Appreciation, 18 July 2011, Kuching, Malaysia
5. Universiti Malaysia Sarawak –Certificate of Appreciation for workshop presenter at FCSIT, 11th July, 2011
6. Universiti Malaysia Sarawak –Certificate of Appreciation for presenting Service Quality Gap at Rural Tourism Destination: Empirical Examination. University R & D Expo 2011 28-29 March, 2011
7. Universiti Malaysia Sarawak- Malaysian Association of Modern Languages- Certificate for presenting paper at *International Conference on Minority and Majority: Language, Culture and History*, 23-24 Nov 2010
8. Universiti Malaysia Sarawak –Certificate of Appreciation for member of evaluation panel for the “*UNIMAS Outstanding Online Course Awards*”, 2008-2009

Academic Visitor/Travel Grants

1. Academic Visitor. 21-24 Feb 2011. Copenhagen Business School. Denmark.
2. Academic Visitor Award. 30 Aug – 3 Oct 2009. University of Waikato. New Zealand.
3. Award of stipend to participate in the Digital Natives Workshop. Asian Force Office of Scientific Research, US Air Force, Tokyo Japan, and Korean Advanced Institute of Science and Technology. (Daejeon, Seoul, South Korea, 2 – 6 Nov 2009).
4. Award of stipend to present at the *Localisation Research Conference XIII* (Limerick, 2-3 Oct. 2005, Limerick, Ireland 6 Oct, 2008)
5. Secured USD 2,000 from US National Science Foundation (NSF) to attend Workshop on User Centred Design and International Development (UCD4ID), ACM Computer Human Interaction (CHI’07) (San Jose, USA).

Scholarships

1. UNIMAS Study Leave and Scholarship 1995-1999.
2. University of Waikato - Lee Foundation Grants, July 1998
3. New Zealand’s Ministry of External Relations and Trade Partial Scholarships 1990-1993

Seminars/Conference/Symposia attended/Presented

Date	Seminars/Conference	Venue	Status	Funding
19-21 May 2013	8th Annual FTTH Council Asia Pacific Conference & Exhibition	Auckland, New Zealand	Invited Speaker	FTTH
16-18 April 2013	ITU ASP COE Executive Training on Innovative Applications for Rural Broadband Community	Kuala Lumpur Malaysia	Invited Speaker	ITU-UUM
4 April 2013	1st International Conference on Innovation and Sustainability	Kuala Lumpur	Paper Presenter	External Grant
5 Feb 2013	International Conference on Tourism Development	Penang	Paper Presenter	LRGS Funding
1 Dec 2012	Asia Pacific ICT Alliance Award Presentation	Bandar S. Begawan, Brunei	Presenter to Panel of Judges	MDec
2-5 Nov	Knowledge Technology Programme Media Presentation	UNIMAS	Presenter	UNIMAS
20 Oct 2012	Presentation to FCSIT and ISITI Staff Training	Damai, Kuching	Invited Speaker	UNIMAS
19 Oct 2012	Presentation to Human Computer Interaction Class	UNIMAS	Invited Speaker to class Faculty of Cognitive Sc. And Human Dev't	
4-5 Oct 2012	European Conference on Game-based Learning	Cork, Ireland	Paper Presenter	UNIMAS
22-24 Aug 2012	9th Asia Pacific Telecommunication and ICT Development Forum (ADF-9)	Bangkok	Project Presentation	TTC, Japan
8-12 Jul 2012	Southeast Asian Network Of Ergonomics Societies (SEANES) 2012 Conference	Langkawi	Paper presenter (3 papers), Panel Chair, Session Chair	Human Factors Ergonomics Society Malaysia
28 Jul 2012	Universiti Teknologi Malaysia, Faculty of Computer Science and Information Systems Seminar Series	Skudai, Johor	Invited Speaker	UNIMAS
15 May 2012	Rural Transformation through ICTs	Kuala Terengganu	Invited Speaker	UNIMAS
16 Feb 2012	Borneo Heritage Symposium	Kuching	Invited Speaker	UNIMAS
3 Dec 2011	MAMPU ICT Technology Update Seminar	Kuching	Invited Speaker	MAMPU
16-18 Nov. 2011	Third eBario Knowledge Fair	Bario	Presenter, Chairperson,	EPU
28 Oct 2011	Kulliyah ICT, International Islamic University Malaysia Human Computer Interaction (HCI) for Remote and Rural Communities aka "Angry Birds" (TM) in the Rural	Kuala Lumpur	Invited speaker	

	Communities			
27 Oct 2011	Global Science and Innovation Advisory Council: Smart Communities Workshop-Invitation-27 Oct 2011	Kuala Lumpur	Committee Member	UNIMAS
19 Oct 2011	Sarawak Development Institute's Annual General Meeting Talk Indigenous Technological Innovation for Development:Community Radio in Bario, Malaysia	Kuching	Invited Speaker	SDI
3-5 Oct 2011	Asia-Pacific Conference on Communications Critical success factors in telecommunications deployment in the remote and rural areas in Borneo Malaysia	Sabah	Invited Speaker	APCC
21 September 2011	Community Radio Dialogue	Miri	Co-organiser	IFAD
5 Aug 2011	UiTM Research Seminar	Shah Alam	Invited Speaker	
12-14 July 2011	Conference on IT in Asia	Kuching	Head of Technical Programme Committee	UNIMAS
11-14 July 2011	International Workshop on Internationalisation of Products and Services	Kuching	Chairperson, Special Track Speaker	IWIPS
6-8 July 2011	British Computer Society Human Computer Interaction Conference	Newcastle upon Tyne	Presenter	UNIMAS
4 July 2011	Centre of Development Informatics, University of Manchester	Birmingham UK	Presenter	Manchester/ UNIMAS
1 July 2011	Computer Science School University of Birmingham	Birmingham UK	Invited Speaker	Birmingham /UNIMAS
6-7 June 2011	Universiti Malaysia Sabah's PEREKA (Research and Invention Expo)	Kota Kinabalu, UMS	Judge	Universiti Malaysia Sabah
17-24 April 2012	Delegate, Representing UNIMAS to Xinjiang Normal University (XNU) and Qinghai Normal University (QNU), China			
4 April 2011	Bengkel Perancangan Program Khusus Untuk Kumpulan Sasar Workshop Programme Planning for Target Groups	Universiti Kebangsaan Malaysia	Invited Speaker	EPU
22 March 2011	Sarawak Development Institute, Community Talk	SDI, Kuching	Presenter	
2 Mar 2011	Internet of Things Seminar, Economic Planning Unit, Prime Minister's Department	Putrajaya	Forum Moderator	EPU
17 Feb 2011	Guest Lecture, ICT for Remote Communities, Royal Holloway College, University of London	Royal Holloway College,	Presenter	

		University of London		
15 Feb 2011	Guest Lecture, ICT for Remote Communities, Copenhagen Business School, Denmark	Copenhagen Business School	Guest Lecturer	Copenhagen Business School, Denmark
13-15 Dec 2010	International Conference on User Science and Engineering 2010.	UiTM, Shah Alam, M'sia	Keynote presenter	UiTM, Shah Alam
23-25 Nov 2010	Rural ICT Development Conference	UUM, Kedah, M'sia	Panelist	
23-24 Nov 2010	International Conference On Minority And Majority: Language, Culture And Identity.	Kuching	Presenter	
19 Nov 2010	Software Testing Straight Talk 2010 (STST2010)	Putrajaya	Expert Panel Moderator	Malaysian Software Testing Board
20 July 2010	<i>Software Testing Conference</i>	Kuala Lumpur	Expert Panel Moderator	Malaysian Software Testing Board
12 July 2010	Serious Games Institute	Coventry	Invited Speaker	
7-10 July 2010	International Workshop on Internationalisation of Products and Systems	London	Presenter	
4-7 July 2010	Borneo Research Council 10th Biennial International Conference	Miri	Presenter	
31 May 2010	Sunway University-College Lunchtime Seminar	Kuala Lumpur	Invited Speaker	
12- 13 May 2010	Young ICT Researchers	Kota Samarahan	Keynote Speaker	
1 st - 4 th November 2009	Digital Natives Workshop and Bar Camp, South Korea	Seoul Korea	Participant	Asian Office of Aerospace Research and Dev't
23 Sept 2009	Lunch time seminar	Univ. of Auckland	Invited Speaker	
28 Sept 2009	School Seminar Speaker	Unitec, Auckland	Invited Speaker	
15 Sept 2009	Computer Science Seminar	Univ. of Waikato	Visiting academic	Univ. of Waikato
4 Sept 2009	Dept of General and Applied Linguistics Seminar	Univ. of Waikato	Visiting academic	Univ. of Waikato
22 July	Software Testing Conference	Kuala	Expert Panel	Malaysian Software

2009		Lumpur	Moderator	Testing Board
15 Jan 2009	Green Packet, Presentation of Rolling out of ICT projects to Bridge the Digital Divide	Green Packet, Petaling Jaya	Invited speaker Expert	Green Packet
3 Dec 2008	MIMOS Technology Review 2008: Broadband Adoption: Rural Segment Needs : eBario Case Study	MIMOS, Technology Park M'sia	Invited speaker	UNIMAS
26 Nov. 2008	UNIMAS-Swinburne Seminar Series	Swinburne Kuching	Presenter	-
9 Oct 2009	Presented at Thames Valley to their Graduate Class	Thames Valley University, London	Invited Speaker	UNIMAS
6 Oct 2008	Invited Speaker at Localisation Students, University of Limerick, Ireland	Limerick University, Ireland	Invited Lecturer	UNIMAS-Limerick University
2-3 Oct 2008	The 13th Annual Internationalisation and Localisation Conference (Dublin, Ireland)	Marino Institute of Education, Dublin, Ireland	Paper presenter	UNIMAS
9 July 2008.	First Faculty of Computer Science and Information Technology-Faculty of Cognitive Science and Human Development Colloquium.	UNIMAS	Presenter	UNIMAS
12-13 June 2008	<i>Malaysian Communications and Multimedia Commission: Universal service Provision Symposium on Communication Technologies for the Underserved Communities.</i>	Seremban	Chairperson Panel Discussion and Presenter	Malaysian Communications and Multimedia Commission
27-30 Apr. 2008	<i>Ministry of Energy, Water and Communication. Universal service Provision 5 Blueprint Workshop.</i>	Seremban	Workshop Expert Participant	Min. Energy, Water and Comm.
5-7 Mar. 2008	UNIMAS R & D Expo	UNIMAS	Exhibitor	-

Membership of professional bodies (2008-present)

1. Human Factors and Ergonomics Society Malaysia. Chair of Science and Technology Standing Committee 2011-2013.
2. Association of Computing Machinery (ACM). Special Interest Group Computer Human Interaction (SIGCHI). Member since 1996.
3. Institute of Electronic Engineers and Engineers. Member since 2013.
4. Certified Software Tester. International Software Testing Qualification Board. Since 2009.

PAPER REVIEWERS (Indexed Journals and Conferences)

1. British Human Computer Interaction. (London, 2013; Birmingham, 2012; Liverpool, 2008).*(All Indexed in ACM Digital Library)*
2. Human Factors and Ergonomics in Manufacturing & Service Industries (1 paper)*(ISI-indexed journal)*
3. Second international conference on Visual informatics (IVIC) 2012 (1 paper) *(Indexed in ACM Digital Library)*
4. International Journal of Human Computer Interaction (2 papers, 2012)*(Indexed in SCOPUS, Impact Factor Journal)*
5. South-East Asian Network Ergonomics Societies Conference (SEANES 2012) (Langkawi, July 2-5)*(IEEE Digital Library)*
6. Computer Human Interaction New Zealand CHINZ (Dunedin, 2012; Hamilton, 2011, Wellington, 2008) *(Indexed in ACM Digital Library)*
7. Designing Interactive Systems (2012) (2 papers) *(Indexed in ACM Digital Library)*
8. The Journal of Community Informatics (2011) (2 papers)
9. Conference on IT in Asia: 2011 *(Indexed in IEEE Digital Library)*
10. International Journal of Information Technology and International Development. 2011.*(Indexed in SCOPUS, ACM Digital Library)*
11. International Federation on Information Processing. TC13 Conference in Human-Computer Interaction INTERACT (Lisbon, Portugal, 2011) (Uppsala, Sweden, 2009)*(Indexed in ACM Digital Library)*
12. IEEE International Conference on Industrial Technology (ICIT 2010), (Vina del Mar, Chile)
13. International Symposium on Information Technology (ITSim 2010) (Kuala Lumpur, 15-17 June).*(Indexed in IEEE Digital Library)*
14. ACM CHI2011(Vancouver BC), CHI2010 (Atlanta, USA), CHI2009 (Boston, USA), CHI2008 (Florence, Italy), *(Indexed in ACM Digital Library)*
15. First International Conference on Intelligent Human Computer Interaction, IHCI 2009, (Allahabad, India)
16. ACM International Workshop on Intercultural Collaboration (IWIC) Feb 2009 (Palo Alto, USA)*(Indexed in ACM Digital Library)*
17. International Conference on Asian Language Processing (IALP) Dec 2009 (Singapore)*(Indexed in IEEE Library)*

PAPER REVIEWERS (Non-indexed Journals and Conference)

1. GITMA (Global Information Technology Management Association) 2013 (Kuala Lumpur, Malaysia)
2. International Conference On Informatics And Creative Multimedia 2013 (ICICM'13)
3. 5th Asian Conference on Intelligent Information and Database Systems 2013
4. Malaysian Conference on Information Systems (Sabah, 2013)
5. IWIPS (International Workshop on Internationalisation of Products and Systems) 2012 (Bangalore, India), 2011 (Kuching, Malaysia), 2010 (London, UK)
6. International Conference on Asian Language Processing (IALP 2011) (Penang, Malaysia Nov 15-17).
7. International Malaysian Indonesian Languages Workshop. MALINDO 2011 (Philippines), 2010 (Indonesia), 2009 (Singapore), 2008 (Malaysia);
8. IKTC (Indigenous Knowledge Technology Conference) 2011 (Windhoek, Namibia)
9. PACIS (Pacific Asia Conference on Information Systems) 2010 (Taipei, Taiwan)
10. International Workshop on Spoken Languages Technologies for Under-resourced languages (SLTU'10) 2010 (University Sains Malaysia (Penang, Malaysia)
11. Conference on IT in Asia: 2009
12. 6th Knowledge Management International Conference (KMICe)
13. 4th International IDIA Conference, 2010 (Cape Town, South Africa)
14. 17th European Conference on Information Systems 2009 (Verona, Italy)

15. 2nd Workshop on Spoken Languages Technologies for Under-resourced Languages. (Penang) May 2010.

NOTABLE ROLES

Keynote/Invited Speaker/Panelists/Moderator

1. Invited Speaker. *8th Annual FTTH Council Asia Pacific Conference & Exhibition.* (19-21 May 2013).
2. Invited Speaker. *ITU ASP COE Executive Training on Innovative Applications for Rural Broadband Community.* (19-21 May 2013)
3. Panel “HCI and Innovations” Chair Southeast Asian Network Of Ergonomics Societies (SEANES) 2012 Conference (5-7 July 2012).
4. Invited Speaker. Universiti Utara Malaysia. *Seminar Rakyat Didahulukan.* (15-17 May 2012).
5. Invited Speaker. Borneo Heritage Symposium. *ICT R & D Opportunities in Preservation, and Maintenance of Culture and Heritage of Remote and Rural Communities in Malaysian Borneo.* (16 Feb 2012).
6. Invited Speaker. ICTs in Remote Communities: Potential Delivery Mechanisms for eGovernment Services. *MAMPU ICT Update Seminar.* (7 December 2011)
7. Invited Speaker. SDI: Indigenous Technological Innovation in Malaysia: Community Radio in Bario. *Sarawak Development Institute (SDI) AGM Talk.* (19 Oct 2011).
8. Invited Speaker. Critical Success Factors in Telecommunications Deployment in the Remote and Rural Areas in Borneo Malaysia. *Asia Pacific Conference on Communications.* (5 Oct 2011).
9. Judge: Universiti Malaysia Sabah’s PEREKA (Research and Invention Expos) Kota Kinabalu, Universiti Malaysia Sabah. (6-8 June 2011)
10. Invited Speaker. 2011. Workshop Programme Planning for Target Groups, Economic Planning Unit (EPU). (4 April 2011)
11. Invited Speaker. Sarawak Development Institute, Community Talk. (22 March 2011)
12. Forum Moderator. Internet of Things Seminar, Economic Planning Unit, Prime Minister’s Department. (2 Mar 2011)
13. Keynote Speaker. I-USER 2010. International Conference on User Science and Engineering 2010. Shah Alam. (13-15 Dec 2010)
14. Invited Expert Panel, ITU-UUM Rural ICT for Development 2010 (24-25 Nov. 2010).
15. Moderator for Expert Panel in Software Testing Straight Talk 2010 (STST2010) (19 Oct 2010, PICC) Economic Planning Unit, Prime Minister’s Department, and Malaysian Software Testing Board
16. Invited Speaker. Seminar on SEA-EU-NET, FRAMEWORK PROGRAMME SEVENTH (FP7) Putrajaya International Convention Centre (PICC). 26 Aug 2010.
17. Moderator, Expert Panel. Software Testing Conference 2010, 2009

Expert Committees

1. Way Forward for Bridging the Digital Divide Programmes. Steering Committee Member and Technical Committee Member. (Mar-Aug 2012) Appointed by Economic Planning Unit, Prime Ministers Department, Malaysia.
2. Global Services and International Advisory Committee –Malaysia Industry-Government High Technology Group, eVillage Task Force Committee.(Oct 2011).
3. Subject Matter Expert Workshop on the Localisation of the Module Content for the Telecentre Management Management Professional Certification. (Feb 2011). Economic Planning Unit.

4. Universal Service Provision Symposium on Communication Technologies for the Underserved Communities. (Organised by Malaysian Communications and Multimedia Commission). (Seremban, June 2008). Presenter and chairperson of breakout session: Sustainable Technology Applications for eCommunity Development: ICT Applications for Remote Rural Communities.
5. Ministry of Energy, Water and Communications/GITS. USP 5 Blueprint Development Workshop. (Seremban, April 2008) Invited to participate as expert.
6. UNESCAP Expert Group Meeting on the Provision of ICT Access for Disadvantaged Communities through Public-private Partnership. (Bangkok, 12-14 Dec. 2008) Invited to present as expert.

Organising Committees in Conferences

1. Advisor, eBario Knowledge Fair (12-15 Nov, 2013)
2. Chair. 1st Sarawak Software Quality Symposium. (10 Oct 2012).
3. Publication Committee Member. South-east Asian Network of Ergonomic Societies. (9-12 July 2012)
4. Conference Co-Chair. eBario Knowledge Fair (16-18 Nov, 2011)
5. Conference Chair (2011). Tenth International Workshop on Internationalisation of Products and Systems.
6. Technical Programme Chair (2011). Seventh Conference on IT In Asia.
7. Co-Chair. I-USER. International Conference on User Science and Engineering 2010. Shah Alam. (13-15 Dec 2010)
8. Head (2011). Technical Programme Committee Conference on IT in Asia 2011
9. Co-Chair (2010): Asia Pacific Symposium on Information Technology and Telecommunications (APSITT'10, Kuching).
10. Conference Chair (2009): Sixth International Conference on IT in Asia (July 2009, Kuching)
11. Conference Chair (2008): Fifth Cyberspace Conference on Ergonomics (CybErg '08)

Presentations to Award Jury Panel

1. Co-presenter APICTA Malaysia Representative (eCommunity and eInclusion Category) 3 Dec 2012.
2. Co-presenter APICTA Finalist Presentation. 9 Aug 2012;
3. Co-presenter APICTA Finalist Presentation 9 Aug 2010.
4. Co-presenter APICTA Finalist Presentation 15 Oct 2008.

Editor

1. Khalid, H., Yeo, A.W., Lim, T.Y. and Helander, M. (2012). *Proceedings of the Southeast Asian Network Of Ergonomics Societies (SEANES '12) Conference*
2. Yeo, A.W., Labadin, J., Cheah, W.S. and Kartinah. (2011). *Proceedings of the Conference on IT in Asia. CITA '11*. (Kuching, 12-14 July 2011).
3. Minoi, J.L., Yeo, A.W. and Nocera, J.A. (2011). *Proceedings of the International Workshop on Internationalisation of Products and Services*. (Kuching, 12-14 July 2011).
4. Proceedings eBario Knowledge Fair.
5. Yeo, A. Associate Editor *Journal of Community Informatics*. (2010-Present)
6. Yeo, A., Labadin, J., Kulathuramaiyer, N., Tan, C.E. and Wang, Y.C. (2009). *Proceedings of the Conference on IT in Asia. CITA '09*. (Kuching, 6-9 July, 2009).
7. Yeo, A., Khairul Aidil Azlin A.R., Teh, C.S. and Lim, T. (2008) *Proceedings of the Fifth International Cyberspace Conference on Ergonomics. CybErg 2008*. (Kota Samarahan, 15 Sept. -15 Oct. 2008). (CDROM Proceedings).

Appendix A: List of Courses Taught (2008-present)

No.	Year	Semester	Course Code	Title	Total No. of Students	Shared (Y/N)	Undergraduate (U) or Postgraduate (P)
1.	2013	2	TMC1014	System Analysis and Design	38	Y	U
2.	2012	1	TMC3053	Human Computer Interaction	64	Y	U
3.	2012	1	TMC1014	System Analysis and Design	396	Y	U
4.	2011	2	TMC1013	System Analysis and Design	200	Y	U
5.	2011	1	TMI3053	Human Computer Interaction	42	Y	U
6.	2011	1	TMC1013	System Analysis and Design	31	Y	U
7.	2010	2	TMP2113/ 3113	Project Management	70	Y	U
8.	2010	1	TMI3073	Human Centred Computing	10	Y	U
9.	2009	2		Computational Linguistics	4	Y	P
10.	2009	2	TMC1033	Systems Analysis and Design	89	Y	U
11.	2009	1	TMI3053	Human Computer Interaction	44	Y	U
12.	2008	2	TMI3053	Human Computer Interaction	44	Y	U
13.	2008	1	TMI3113	Technopreneurship and Product Development	30	Y	U

Appendix B: Undergraduate Student Supervision (2008-present)

Undergraduate Final Year Projects

<i>Year</i>	<i>Research Title (No. of students indicated in the group, otherwise, individual project)</i>
1. 2012/2013	Authoring Tool for Android System
2. 2012/2013	Improving English using Tablet PCs for Rural Illiteracy
3. 2012/2013	Intergenerational Communication Tool
4. 2011/2012	Building a Multitouch Large Display Unit (Won Best Project)
5. 2011/2012	Prototyping and Illiteracy Framework for the Illiterate in Rural Communities
6. 2011/2012	An Intergenerational Tool for Bridging the Rural-Urban Relationship Divide
7. 2011/2012	Providing International Usability Testing Information (Student won BestPresenter Award)
	No Final Year Project Students 2010 as Faculty moving from a 3-year to a 4-year programme
8. 2008/2009	Machine Translation in Multilingual Discussion Online

9. 2008/2009	Automatic Iban Speech Recognition: Speech to Waveforms
10. 2008/2009	Automatic Iban Speech Recognition: Waveforms
11. 2008/2009	Named Entity Recognition in Iban Text

Appendix C: Research Projects Details(2008-Present)

Title	Names of Researchers	Year Start	Year End	Quantum	Sources of Funding	Synopsis
1. <i>Telecentre Programme for Orang Asli under the Bridging the Digital Divide Programme</i>	Alvin Yeo Wee (Member) Headed by Poline Bala	2013	2018	RM 4,995,000.00	<i>Jabatan Hal Ehwal Orang Asli</i> , Ministry of Regional and Rural Development	Telecentres are deployed in 4 remote and rural Orang Asli sites in West Malaysia
2. <i>Developing an Intergenerational Indigenous-Knowledge Management Systems for the Singai-Bidayuhs, Sarawak.</i>	Alvin Yeo Wee (Member) Headed by Eaqerzilla Phang	2013	2014	RM 50,000	Min. of Higher Education Knowledge Transfer Programme	Multi-stakeholder approach in developing programmes to increase cultural awareness among the Singai-Bidayuh youths
3. <i>Success and Happiness by Activating Regional Economy (SHARE)</i>	Alvin Yeo Wee (Member)	2013	2015	RM 48,000.00	UNIMAS/TNC(P1)-15.01/09-02/14	Collaboration of Malaysia, Philippines and Thailand to leverage on existing research developed in J3 projects
4. <i>Maxis CBC Reporting, Marketing & ICT Enhancement Training Programme</i>	Alvin Yeo Wee (Head)	2013	2015	RM 29,226.48	UNIMAS/TNC(P1)-15.01/09-02/12	Employing a participatory approach in telecentre management
5. <i>Pusat Internet 1Malaysia Assessment (HCCD 2013)</i>	Alvin Yeo Wee (Head)	2013	2012	RM 50,186.00	UNIMAS/TNC(P1)-15.01/09-02/13	Assessment of capability of Telecentre managers
6. Ngerabit eLamai: ICTs Supporting Socio-economic Transformation funded by National Professor's Council	Alvin Yeo Wee (Head)	2013	2013	RM 20,000.00	L18403 I03 00 NGERABIT ELAMAI	Research on how to leverage on ICTs for socio-economic development in

(Majlis Profesor Negara) under the Community Outreach Programme						preservation of languages, in this case Penan language
7. Initiative for e-Commerce Capacity-Building of Penans in Long Lamai Sarawak	Alvin Yeo Wee (Head),	2012	2014	RM 115,087.00	GL/KTP/I03/03/2012(02)	Capacity building of rural community to operate and maintain ecommerce website for handicraft and homestay booking
8. Constructing a Competitive Rural Tourism Competency Index for Rural Tourism Destinations in East Malaysia (RAGS)	Sharon Cheuk (Head) Alvin Yeo Wee (Member)	2013	2014	RM 14,500.00	E14099 103 69 905/2012 (06)	Develop an index to assess the competitive rural tourism index
9. Micro-hydro System for Long Lamai. Grassroots Grant Assistance for Human Security Project by the Government of Japan.	Alvin Yeo Wee (Head)	2012	2013	RM 350,000.00	UHSB/B-AM2012/13	Engage community and through community cooperation to build micro-hydro for the community
10. Asynchronous Collaborative Orthography Development Methodology for Indigenous Languages	Nadianatra Musa (Head), Alvin Yeo Wee (Member)	2012	2013	RM 53,100.00	ERGS/1/2012/TK06/U NIMAS/03/1	Research into the design and development of a CSCW platform
11. Mobile Computer Assisted Intervention Programme (Evaluation And Process Protocols) For Isolated Speech And Language Impairment Among Pre-School Children In Sarawak.	S.S. Chin (Head), Alvin Yeo Wee (Member)	2012	2014	RM 70,000.00	ERGS/1/2012/TK06/U NIMAS/02/8	To identify and research existing technologies for children with speech impede
12. Multi-Dimensional	N.	2012	2016	RM	LRGS/1/2011/SS/TA	Investigation of the use

Responsible Rural Tourism Capacity Framework For Sustainable Tourism. Project 4: Integrated Barometric Decision-Support ICT-Framework for RRTC Management.	Kulathuramaiyer (Head) Alvin Yeo Wee (Member)			530,000.00	YLORS/02/04	of a Responsible and Rural Tourism Barometer
13. Multi-Dimensional Environmental Framework for Sustainable Tourism	M.C.Lo (Head) Alvin Yeo Wee (Member)	2012	2016	RM 230,000.00	JPT.S(BPKI)2000/09/01/015Jld.4(67)	Development of a Sustainable Tourism Framework from the Environment perspective
14. Indigenous Knowledge Governance Framework. UNIMAS Dana Principal Investigator.	Alvin Yeo (Head) N. Kulathuramaiyer Tariq Zaman (Student)	2011	2013	RM 50,000	02(DPI06)/822/2011 (06)	Development of a holistic indigenous knowledge management framework applied in Long Lamai and Bario
15. Communities' Attitudes towards Tourism Development in Rural Tourism Destination. The Role of Information and Communication Technologies	M.C.Lo (Head) Alvin Yeo Wee (Member)	2012	2014	RM 29,574.00	E14054 F01 54 PK4/12/2012(03)	Gauge how communities feel and their reaction in the rural Tour Tourism Destive
16. Technology Enhanced Solutions for Remote Rural Communities in Malaysia to Facilitate Development of Learning and preservation of Local Knowledge and to Create Health Awareness and	Khairuddin Ab Hamid (Head), Alvin Yeo Wee (Member)	2011	2012	RM 300,000.00	UHSB/B-AM2011/81	To preserve indigenous knowledge using state-of-the-art technology

Practices for Healthy Living						
17. Indigenous Technological Innovation in Malaysia: Reducing vulnerability and marginalization among Malaysia's Indigenous Peoples at Bario	Alvin Yeo Wee (Head)	2011	2012	RM300,000.00	L18403 F08 00	Pioneering work on Community Radio deployed in a rural community in Malaysia; exploring use of aerial photography
18. Promoting International Debate on Ethical Implications of Data collection, use and retention for Biometric and Medical Applications (ETHICAL). Research grant from the European Union Seventh Framework Programme: Capacities programme Science in Society	Alvin Yeo Wee (Member)	2009	2010	RM 3.5 million (UNIMAS: RM150,000)	FP7-SiS-2008-1-ETHICAL	Evaluate existing incidents and implications of medical data collected and used (or mis-used)
19. Sustainable and Community-Based Tourism in Bario, Malaysia and Yufuin, Japan	Iwao Kato (Head) Alvin Yeo Wee (Member)	2011	2012	RM 3,650.00	L18403 F01 00	Assess how rural communities can be sustainable
20. Needs Analysis in Developing Telecentres, in Kelantan and Pahang	Khairuddin Ab Hamid (Head), Alvin Yeo Wee (Member)	2011	2011	RM 140000.00	SHSB/B-AM2011/34(3)	Needs assessment in Orang Asli locations
21. Preparatory research concerning remote international training aiming at building a resilient society	Kaoru Takara (Head), Alvin Yeo Wee	2010	2011	RM 100,000.00		Evaluation of CSCW systems in training of disaster management

adaptable to extreme weather conditions						
22. A Generic Text to Speech System for Indigenous Languages in Sarawak	Sarah Flora, Alvin Yeo Wee	2010	2011	RM 139,000.00	MOSTI 01-01-09-SF0056	Research and development of a text to speech system; Languages involved Bidayuh, Iban, Melanau, Sarawak Malay
23. iPepper: Automatic Intelligent Pepper Grading and Quality Assurance System	Dayang Nur Fatimah (Head), Alvin Yeo Wee, Shapiee Abdul Rahman, Ruby	2010	2011	RM 130,000.00	MOSTI 01-01-09-SF0052	Use of ICTs in grading pepper employing image processing techniques
24. Affordable Long Range Wireless Connectivity for Rural Communities.	Professor Datuk Khairuddin Ab Hamid. Tan Chong Eng. Alvin Yeo.	2008	2010	RM 226,000	MOSTI Science Fund	Research and development of long range WiFi in remote and rural connections
25. Development and evaluation of awareness components for translation groupware	Dr. Lim Tek Yong (L,MMU), A.P. Dr. Chen Chwen Jen, AP Dr. Peter Woods, Prof. Tang Enya Kong, Wong Chui Yin Alvin Yeo Wee (Member)	2009	2010	RM 150,000.00	Science Fund	Evaluation of translation software components

26. Asia-Pacific Telecommunity (APT) HRD Programme for Exchange of ICT Researchers and Engineers 2009 entitled 'Bridging the Digital Divide in Remote Rural Areas: A Universal Playground for Children	Khairuddin Ab Hamid (Head), Alvin Yeo Wee (Member)	2010	2011	RM 176,961.94		Proof of concept to use the PANGEA platform in creating a student network.
27. The Grassroots Grant Assistance For Human Security Project From The Government Of Japan Under Official Development Assistant (Oda) For Bakelalan, Long Lamai and Larapan Electrification Using Solar PV System	Khairuddin Ab Hamid (Head), Alvin Yeo Wee (Member)	2009	2010	RM 502,980.93	SHSB/B-AM2008/20(13)	Japanese Government funded these solar projects, which complements other sources of energy in the remote areas

Consulting Title	Names of Researchers	Year Start	Year End	Quantum	Sources of Funding	Synopsis
1. MAXIS Connected Village	Jacey-Lynn Minor (Head) Alvin Yeo (member)	2013	2013		MAXIS Berhad	Community and stakeholder engagement in Education, Health and Banking
2. Mobile Innovation Village at Kampung Serasot Bau	Jacey-Lynn Minoi (Head), Alvin Yeo Wee (Member)	2011	2011	RM 50,000.00	SHSB/B-AM2011/54	Proof of concept for health programmes, employing telecommunication

						technologies in a rural community in Sarawak
3. The design and development of an online Directory System using map representation for bridging digital divide initiatives in Malaysia	Alvin Yeo Wee (Head), Johari Abdullah, Gary Loh Chee Wyai	2008	2009	RM 72,000.00	L18403 F08 00 ONL/DIRECT.SYS	Using existing technologies (Google maps) to map telcentres in Malaysia

Appendix D: Selected Publications and Awards from eBario/ICT4RD Projects (2008-Present)

Awards Recognition

1. **APICTA Merit Award (eInclusion, eCommunity Category):** Ngerabit eLamai: Penans Employing ICTs for Rural Economic Transformation. 16 Oct 2012.
2. University R & D Expo 2013. Gold. *eTORO: Formalising Indigenous Knowledge Governance Framework*.
3. University R & D Expo 2013. Silver. *Telecentre Indicators for Rural Tourism Development*.
4. University R & D Expo 2012. Gold. *Developing Rural Tourism: Effective Positioning Strategies and Enhancing Destination Commercial Values*.
5. University R & D 2012. Silver. *Indigenous Technological Innovation in Malaysia : Reducing vulnerability and Marginalization among malaysia's indigenous peoples*.
6. University R & D Expo. 29 March 2011. Bronze. *Named-Entity Recognition for Sarawak Indigenous Languages*.
7. University R & D March 2011. Bronze. *Peripheral Tourism Destination: Service quality and Customer Satisfaction*.
8. University R & D Expo. 29 March 2011. Bronze. *Syllable based text to speech synthesizer for Bidayuh Bau*
9. University R & D Expo 2010: Silver *Iban-English Translation*; Bronze: *Identification of Closely Related Languages*.
10. University R & D Expo 2010: Bronze. *Exploratory Approach in Determining Closely-Related Indigenous Languages of Sarawak*

Invited Papers/Presentations

1. **Yeo, A.W.** (2013). Aligning Fibre Optic Network Deployment with Social-Economic Development and Rural Applications. *8th Annual FTTH Council Asia Pacific Conference & Exhibition*. (19-21 May 2013).
2. **Yeo, A.W.** (2011). *ITU ASP COE Executive Training on Innovative Applications for Rural Broadband Community*. (19-21 May 2013)
3. **Yeo, A.W.** (2011). ICTs in Remote Communities: Potential Delivery Mechanisms for eGovernment Services. *MAMPU ICT Update Seminar*. (7 December 2011)
4. **Yeo, A.W.** (2011). SDI: Indigenous Technological Innovation in Malaysia: Community Radio in Bario. *Sarawak Development Institute (SDI) AGM Talk*. (19 Oct 2011).
5. **Yeo, A.W.** (2011). APCC. Critical Success Factors in Telecommunications Deployment in the Remote and Rural Areas in Borneo Malaysia. *Asia Pacific Conference on Communications*. (5 Oct 2011).
6. **Yeo, A.W.** (2011). eBario Experience in Sustainability of Telecentres. *Workshop Programme Planning for Target Groups. Economic Planning Unit*. (4 April 2011). (Invited presentation)

Book Chapters

1. Zaman, T., **Yeo, A.W.**, & Kulathuramaiyer, N. (2012). Modeling Indigenous Knowledge Creation as a Living System. In Bidwell, N. & Wanschiers-Theophilus, H. (Eds.) *Indigenous Knowledge Technology Dialogues: Embracing Indigenous Knowledge in a New Technology Design Paradigm*. (Accepted)

- Lo, M. C., Songan, P., Mohamad, A.A., Kato, I., Furuoka, F., & Yeo, A. W. (2012). Close encounters with the Local Communities in Rural Tourism Destinations of Bario, Malaysia and Yufuin, Japan. Critical Success, Factors, Issues and concerns in Tourism Sustainability, Pearson (In Press).

Journals

- Yeo, A.W.**, Zaman, T., & Kulathuramaiyer, N. (2013). Indigenous Knowledge Management in the Kelabit community in Eastern Malaysia: insights and reflections for contemporary KM design. *International Journal of Sociotechnology and Knowledge Development (IJSKD)* (accepted)
- Zaman, T., **Yeo, A.W.** & Kulathuramaiyer, N. (2012). Augmenting indigenous knowledge management with information and communication technology. *International Journal of Services Technology and Management, (IJSTM)* (accepted)
- Yeo, A.W.**, Faisal, S., Tariq, Z., Songan, P. & Khairuddin, A.H. (2012). The Telecentre Replication Initiative in Borneo Malaysia: CoERI Experience. *Electronic Journal of Information Systems in Developing Countries*.
- Mohamad, A.A., Lo, M. C., Songan, P., & **Yeo, A. W.** (2012). Dimensionality of Communities' Belief Attitude Toward Rural Tourism Development: The Case of Bario. *British Journal of Arts and Social Sciences*, 6, 2, 245-254. (Indexed in EBSCO, SSRN, DOAJ, Ulrich, Cabell's.) ISSN: 2046-9578
- Lo, M. C., Mohamad, A.A., Songan, P., & **Yeo, A. W.** (2012). Repositioning Strategy in Ecotourism Industry: A Case of Bario. *Emerald Business Strategies Series*, 13, 1, 41-46. (Indexed in Emerald Management Reviews, OCLC's Electronic Collections Online, Inspec, Scopus). ISSN: 1751-5637
- Lo, M. C., Mohamad, A.A., Songan, P., & **Yeo, A. W.** (2012). Rural Tourism Positioning Strategy: A Community Perspective. *IPEDR*, 28, 22-26. (Indexed in EBSCO, WorldCat, Google Scholar, Ulrich's Periodicals Directory, Engineering & Technology Digital Library). ISSN: 2010-4626; ISBN: 978-981-07-1080-4
- Zaman, T., Kulathuramaiyer, N., & **Yeo, A.W.** (2011). Balanced Scorecard for performance measurement and strategic planning of Indigenous Knowledge Management. *Knowledge Management for Development Journal*. Vol. 7, No. 3, pp. 317-326.

Conference Papers (Equivalent of Journal): Refereed Full Paper

- Siew, S., **Yeo, A.W.**, & Zaman, T. (2013). Participatory Action Research in Software Development: Indigenous Knowledge Management System Case Study. *Proceedings of Human Computer Interaction International* (21-26 July, Las Vegas, US) (Springer, Lecture Notes in Computer Science, ISI Indexed, Indexed in ACM Digital Library).
- Siew, S. & **Yeo, A.W.** (2012). Adapting PRISMA for Software Development in Rural Areas: A Mobile-Based Healthcare Application Case Study. *Second International Conference of the Southeast Asian Network of Ergonomics Societies Conference (SEANES '12)*. 9 - 12 July, Langkawi, Malaysia. ISBN 978-983-41742. (IEEE Digital Library)
- Zaman, T., **Yeo, A.W.** & Narayanan Kulathuramaiyer. (2011). Harnessing Community's creative expression and indigenous wisdom to create value. Tacit-Implicit-Explicit (TIE) Knowledge Creation Model. *Proceedings of IKTC2011: Embracing Indigenous Knowledge Systems in a New Technology Design Paradigm*. (Namibia, Dec 2011).
- Loh, C.W., **Yeo, A.W.** & Narayanan K. (2011). Multimodal Integration Technique in a Map-Based System using Spatial and Deictic Relationship. *International Conference in User Science and Engineering (i-USER)* (30 Nov - 2 Dec, Shah Alam, Malaysia).

4. S.T., Siew & **Yeo, A.W.**(2011). Employing Participatory Action Research to Augment Software Development for Rural Communities. *Proceedings of the 25th British Computer Society Conference on Human-Computer Interaction*. (Newcastle Upon Tyne, UK,4-8 Jul.).
5. Fitri, S.M., **Yeo, A.W.**, Norazila, A.A. & Soubakeavathi, R. (2010). Borneo Children in an International Digital Playground: Intercultural Issues and Idiosyncrasies. *ACM International Conference on Intercultural Collaboration*. (Copenhagen, 19-20 Aug)
6. Zaman, T., Narayanan, K., & **Yeo, A.W.**(2010). Formulating Strategic Directions for Indigenous Knowledge Management System. *Proceedings of the Malaysian Joint Conference on Artificial Intelligence (MJCAI)* (26-30 July, Damai, Sarawak, Malaysia).
7. Rosita, M.O., Fatihah,R., Nazri, K.M., **Yeo, A.W.**&Tan, D.(2010). Cultural Heritage Knowledge Discovery: An Exploratory Study of the Sarawak Gazette. *Proceedings of the Malaysian Joint Conference on Artificial Intelligence (MJCAI)* (26-30 July, Damai, Sarawak, Malaysia).
8. **Yeo, A.W.**, Ng, E.L., Flora, S. & Nurul, Z. (2010). Community-Centered Software Development Methodology: Developing Usable Software for Remote Communities. *International Workshop on Internationalisation of Products and Systems*. (London, 7-10 July).

Refereed Papers in Conference Proceedings

1. Siew, S.T., **Yeo A.W.**; Phoa, J., Lo, M.C., Kulathuramaiyer, N. & Nair, V. (2013). Sustainable Remote and Rural Eco-tourism: Applying a Systemic, Holistic, Interdisciplinary and Participatory (SHIP) approach. *International Conference on Tourism Development* (Penang, Malaysia, 4-5 Feb).
2. Jupit, A.J.R, Minoi, J., Arnab, S. & **Yeo, A.W.**(2012). Story-Telling and Narrative Methods With Localised Content to Preserve Knowledge. *European Conference on Game-Based Learning*. (Cork, Ireland, 3-5 Oct.)
3. Zaman, T., **Yeo, A.W.** & Kulathuramaiyer, N. (2012). Tools and Strategies for managing Penans' Indigenous Botanical Knowledge. *Borneo Research Council Conference 2012: Identities, Cultures and Environments*. (Universiti Brunei Darussalam, Brunei, 25-27 June).
4. Mah, Y., **Yeo, A.W.**&Siew, S. (2012). Exploring Paper Prototyping in Malaysian Borneo. *Proceedings of the Second International Conference of the Southeast Asian Network of Ergonomics Societies Conference (SEANES '12)*. (Langkawi, Malaysia, 9-12 Jul). ISBN 978-983-41742.
5. Ng, C.S., Cheah, W.S. & **Yeo, A.W.**(2012). Improving Rural-Urban Intergenerational Relationships Using ICTs. Second International Conference of the Southeast Asian Network of Ergonomics Societies Conference (SEANES '12). (Langkawi, Malaysia, 9-12 Jul). ISBN 978-983-41742.
6. **Yeo, A.W.**, Nair, V., Songan, P., Kulathuramaiyer, N., Lo, M. C.,&Mohamad, A. A. (2012).ICT in Community Based Tourism in Bario, Sarawak: Improvements on Social Economic Development. *Regional Symposium on Rural Tourism: Scaling up Community-Based Ecotourism*. (Royal University of Phnom Penh, Cambodia, 18-19 May).
7. Fitri, S.M., Norazila, A.A., Soubakeavathi, R., Yeo, A.W., Iwata, H., Rhetorics and Realities in Capturing Local Knowledge through the eyes of children: A Pangaea Experience in UNIMAS, *The Proceedings of 3rd e-Bario Knowledge Fair, 2011, Bario, Malaysia*.
8. Mohamad, A. A., Yeo, W. A., Songan, P., & Lo, M. C. (2011). Dimensionality of Communities' Belief Attitude toward Tourism Development: The Case of Bario. *The Proceedings of E-Bario Knowledge Fair, Third eBario Knowledge Fair 2011: ICTs for Indigenous Peoples* (Bario, Sarawak Malaysia, 16-18 Nov.).
9. Mohamad, A.A., Lo, M. C., Songan, P., **Yeo, A. W.**(2010). Ecotourism Service Quality: A comparison of Expectation and Performance in a Remote Destination. *The Proceedings of the*

International Borneo Business Conference, Dawn of New Horizon, Business and Economics Perspectives, (Miri, Sarawak, Malaysia, 13-15 Dec.).

10. **Yeo, A.W.**, Mit, E., Chan, P., Labadin, J. & Tan, P. (2010). Cultural Modelling for Remote and Rural Communities. *Proceedings of the Third International Conference on Applied Human Factors and Ergonomics (AHFE)*. (Miami, USA, 17-20 Jul.).
11. Mohamad, A.A., Lo, M. C., Songan, P., **Yeo, A. W.** 2009. Service Quality and Tourists' Satisfaction. A Test on Rural Tourist Destination. *The Proceedings of 2nd e-Bario Knowledge Fair*, November, 4-6 2009, Bario, Malaysia.

Refereed Posters Papers/Abstracts in Conferences

1. Tariq, Z., **Yeo, A.W.**, Narayanan, K., (2011). Indigenous Knowledge Governance Framework (IKGF): A holistic model for indigenous knowledge management. Second International Conference on User Science and Engineering (i-USER2011) Doctoral Consortium. Universiti Teknologi MARA, Malaysia and IEEE Computer Society (Malaysia Section). Page 10.
2. Mohamad, A.A, Lo, M. C., Songan, P., **Yeo, A. W.** (2011). Validating a Tourism Instrument in Rural Tourism Destination. A Test on Bario., *The Proceedings of Asia Pacific Marketing and Management Conference 2011*, (Kuching, Malaysia, 9-11 Nov.).
3. Zaman, T., Narayanan, K., & **Yeo, A. W.** (2011). Indigenous Knowledge Governance Framework (IKGF): A holistic model for indigenous knowledge management. *Conference on IT in Asia 2011*. (Kuching, 12-14 July).
4. Ng, E.L., **Yeo, A.W.** & Malançon, B.R. (2009). *Identification of Closely Related Indigenous Languages: An Orthographic Approach*. International Conference on Asian Language Processing (IALP 2009). Singapore.

Appendix E: Publications (2008-present)

Book Chapters

1. Zaman, T., **Yeo, A.W.**, & Kulathuramaiyer, N. (2012). Modeling Indigenous Knowledge Creation as a Living System. In Bidwell, N. & Winschiers-Theophilus, H. (Eds.) *Indigenous Knowledge Technology Dialogues: Embracing Indigenous Knowledge in a New Technology Design Paradigm*. (Accepted)
2. Lo, M. C., Songan, P., Mohamad, A.A., Kato, I., Furuoka, F., & **Yeo, A. W.** (2012). Close encounters with the Local Communities in Rural Tourism Destinations of Bario, Malaysia and Yufuin, Japan. Critical Success, Factors, Issues and concerns in Tourism Sustainability, Pearson (In Press).
3. **Yeo, A.W.**, Chiu, P.C., Lim, T.Y., Tan, P.P., Lim, T. & Idyawati, H. (2011). Usability in Malaysia: Past, Present and Future. In Douglas, I. and Liu, Z. (Eds.). *Global Usability*. Springer.
4. **Yeo, A.W.** (2010). Cultural effects of status and relationships in usability testing. In Lahiri Chavan, A. and Prabhu, G. (Eds.). *Innovative Solutions: What Designers Need to Know for Today's Emerging Markets*. Taylor and Francis.

Journals

1. Lo, M. C., Songan, P., Mohamad, A. A., & **Yeo, A.W.** (2013). Rural tourism and destination image: Community perception in tourism planning. *The Macrotheme Review: A Multidisciplinary Journal of Global Macro Trends*, 2, 1, 102-118.
2. **Yeo, A.W.**, Zaman, T., & Kulathuramaiyer, N. (2013). Indigenous Knowledge Management in the Kelabit community in Eastern Malaysia: insights and reflections for contemporary KM design.

International Journal of Sociotechnology and Knowledge Development (IJSKD)(SCOPUS Indexed)

3. Zaman, T., **Yeo, A.W.**& Kulathuramaiyer, N. (2012).Augmenting indigenous knowledge management with information and communication technology. *International Journal of Services Technology and Management, (IJSTM)* (Compendex, ABI/Inform, SCOPUS Indexed)
4. **Yeo, A.W.**, Faisal, S., Tariq, Z., Songan, P. &Khairuddin, A.H. (2012). The Telecentre Replication Initiative in Borneo Malaysia: CoERI Experience. *Electronic Journal of Information Systems in Developing Countries*.
5. Mohamad, A.A., Lo, M. C., Songan, P., &**Yeo, A. W.**(2012).Dimensionality of Communities' Belief Attitude Toward Rural Tourism Development: The Case of Bario.*British Journal of Arts and Social Sciences*, 6, 2, 245-254. (Indexed inEBSCO, SSRN, DOAJ, Ulrich, Cabell's.) ISSN: 2046-9578
6. Lo, M. C., Mohamad, A.A., Songan, P., &**Yeo, A. W.**(2012). Positioning rural tourism: Perspectives from the local communities. *International Journal of Trade, Economics and Finance*, 3, 1, 59-65. (Indexed in Engineering & Technology Library, EBSCO, Ulrich's Periodicals Directory)
7. Lo, M. C., Mohamad, A.A., Songan, P., &**Yeo, A. W.**(2012). Rural Destinations and Tourists' Satisfaction, *Journal of Services Research*, 11, 2, 59-74.(Indexed in EBSCO Publishing, Proquest, Ulrich's periodical directory, Gale Group/ Thomson Publishing, Cabell Publishing). ISSN: 0972-4702
8. Lo, M. C., Mohamad, A.A., Songan, P., &**Yeo, A. W.** (2012).Repositioning Strategy in Ecotourism Industry: A Case of Bario. *Emerald Business Strategies Series*, 13, 1, 41-46. (Indexed in Emerald Management Reviews, OCLC's Electronic Collections Online, Inspec, Scopus). ISSN: 1751-5637
9. Lo, M. C.,Mohamad, A.A., Songan, P., &**Yeo, A. W.** (2012). Rural Tourism Positioning Strategy: A Community Perspective. *IPEDR*, 28, 22-26. (Indexed in EBSCO, WorldCat, Google Scholar, Ulrich's Periodicals Directory, Engineering & Technology Digital Library). ISSN:2010-4626; ISBN: 978-981-07-1080-4
10. Zaman, T., Kulathuramaiyer, N., &**Yeo, A.W.**(2011). Balanced Scorecard for performance measurement and strategic planning of Indigenous Knowledge Management. *Knowledge Management for Development Journal*. Vol. 7, No. 3, pp. 317-326.
11. Lo, M. C., Mohamad, A. A., Songan, P., &**Yeo, A. W.**(2011). Service Quality Gap at Rural Destination: Empirical Examination.. *International Journal of Leisure and Tourism Marketing*, 2, 4, 337-352. (Indexed in Inderscience, Elsevier, Academic One File, Cirt, Gale, Google Scholar). ISSN: 1757-5567 (print), ISSN; 1157- 5575 (online)
12. Ng, E.L., Chin, B., **Yeo, A.W.**&Malancon, B.R. (2010). Identification of Closely Related Indigenous Languages: An Orthographic Approach.*International Journal on Asian Language Processing*. Vol. 20. No. 2. (ISSN 0219-5968)
13. Lo, M. C., Mohamad, A.A., Songan, P., **Yeo, A. W.**(2010). Peripheral tourism destination: Service quality and customer satisfaction. *Management and Change*, 14, 1, 69-86. ISSN: 0972-2149
14. Mohamad, A.A., Lo, M. C.,Songan, P., &**Yeo, A. W.**(2010). ICT and Tourists' Satisfaction. A test on rural tourist destination. *E-Review of Tourism Research*, 8, 5, 123-138. (Indexed in EBSCO Publishing).

Conference Papers (Equivalent of Journal): Refereed Full Paper

1. Siew, S., **Yeo, A.W.**, & Zaman, T. (2013). Participatory Action Research in Software Development: Indigenous Knowledge Management System Case Study. *Proceedings of Human Computer Interaction International (21-26 July, Las Vegas, US)* (Springer, Lecture Notes in Computer Science, ISI Indexed, Indexed in ACM Digital Library).
2. Lo, M. C., Songan, P., **Yeo, A.W.**, Mohamad, A. A., & Nair, V. (2013). Rural tourism Development. Industry's perspectives on sustainable tourism. *IPEDR (ISSN: 2010-4626)* (in Press). (EBSCO Indexed)
3. Siew, S. & **Yeo, A.W.** (2012). Adapting PRISMA for Software Development in Rural Areas: A Mobile-Based Healthcare Application Case Study. *Second International Conference of the Southeast Asian Network of Ergonomics Societies Conference (SEANES '12)*. 9 - 12 July, Langkawi, Malaysia. ISBN 978-983-41742. (IEEE Digital Library)
4. Lo, M. C., Songan, P., **Yeo, A.W.**, Mohamad, A. A. (2012). Rural Tourism Positioning Strategy: A Community Perspective. *The Proceedings of 2012 International Conference on Economics Marketing and Management- ICEMM 2012*, (4-6 Jan., Hong Kong (ISI conference)).
5. Zaman, T., **Yeo, A.W.** & Narayanan Kulathuramaiyer. (2011). Harnessing Community's creative expression and indigenous wisdom to create value. Tacit-Implicit-Explicit (TIE) Knowledge Creation Model. *Proceedings of IKTC2011: Embracing Indigenous Knowledge Systems in a New Technology Design Paradigm*. (Namibia, Dec 2011).
6. Loh, C.W., **Yeo, A.W.** & Narayanan K. (2011). Multimodal Integration Technique in a Map-Based System using Spatial and Deictic Relationship. *International Conference in User Science and Engineering (i-USER)* (30 Nov - 2 Dec, Shah Alam, Malaysia).
7. Amelia Jati, R., Minoi, J.C., Arnab, S. & **Yeo, A.W.** (2011). Cross-cultural awareness in game-based learning using a TPACK approach. *International Workshop on Internationalisation of Products and Systems*. (Kuching, 12-14 July).
8. S.T., Siew & **Yeo, A.W.** (2011). Employing Participatory Action Research to Augment Software Development for Rural Communities. *Proceedings of the 25th British Computer Society Conference on Human-Computer Interaction*. (Newcastle Upon Tyne, UK, 4-8 Jul.). (ACM Digital Library)
9. D.N.F., Awang Islandar, Bani, R., **Yeo, A.W.**, Shapiee, A.R., & Ahmad Hadinata, F. iPepper: Intelligent Pepper Grading and Quality Assurance System. *IEEE 7th International Colloquium on Signal Processing and its Applications (CSPA)*, 2011. (Penang, 4-6 March)
10. By Juan, S.F.S., Edwin, V., Cheong, C.Y. Lee, J.C. & **Yeo, A.W.** (2011). Adopting Malay Syllable Structure for Syllable Based Speech Synthesizer for Iban and Bidayuh Languages. *International Conference on Asian Language Processing*. (IEEE Digital Library)
11. Talita, P., **Yeo, A.W.**, & Kulathuramaiyer, N. (2010). Challenges in Building Domain Ontology For Minority Languages. *International Conference on Computer Application & Industrial Electronics (ICCAIE 2010)* (Kuala Lumpur, 5-7 Dec)
12. Chin, S.K., & **Yeo, A.W.** (2010). Computer Supported Cooperative Work (CSCW) in Orthography System Development. *International Conference on Computer Application & Industrial Electronics (ICCAIE 2010)* (Kuala Lumpur, 5-7 Dec)
13. Abang Azlan, M., Lo, M.C., Songan, P. & **Yeo, A.W.** (2010). ICT and Tourists' Satisfaction: A Test on a Rural Tourist Destination. *International Electronic Bulletin for Tourism Research*. Texas A & M.
14. Fitri, S.M., **Yeo, A.W.**, Norazila, A.A. & Soubakeavathi, R. (2010). Borneo Children in an International Digital Playground: Intercultural Issues and Idiosyncrasies. *ACM International Conference on Intercultural Collaboration*. (Copenhagen, 19-20 Aug)
15. Chin, B. & **Yeo, A.W.** (2010). Machine Translation of Indigenous Languages: Pivot Language Approach in Iban-English Translation. *Proceedings of the Malaysian Joint Conference on Artificial Intelligence (MJCAI)* (26-30 July, Damai, Sarawak, Malaysia).

16. Zaman, T., Narayanan, K., & **Yeo, A.W.** (2010). Formulating Strategic Directions for Indigenous Knowledge Management System. *Proceedings of the Malaysian Joint Conference on Artificial Intelligence (MJCAI)* (26-30 July, Damai, Sarawak, Malaysia).
17. Chin, B., **Yeo, A.W.**, Robert, A.J., & Norazian, M.H. (2010). Preservation of Cultural Heritage through the Sarawak Language Technologies (SaLT) Initiatives: An AI Perspective. *Proceedings of the Malaysian Joint Conference on Artificial Intelligence (MJCAI)* (26-30 July, Damai, Sarawak, Malaysia).
18. Rosita, M.O., Fatimah, R., Nazri, K.M., **Yeo, A.W.** & Tan, D. (2010). Cultural Heritage Knowledge Discovery: An Exploratory Study of the Sarawak Gazette. *Proceedings of the Malaysian Joint Conference on Artificial Intelligence (MJCAI)* (26-30 July, Damai, Sarawak, Malaysia).
19. **Yeo, A.W.**, Ng, E.L., Flora, S. & Nurul, Z. (2010). Community-Centered Software Development Methodology: Developing Usable Software for Remote Communities. *International Workshop on Internationalisation of Products and Systems*. (London, 7-10 July).
20. Idyawati, H., Murni, M. & **Yeo, A.W.** (2010). HCI Practices in Malaysia: A Reflection of ICT Professional's Perspectives. *Proceedings of the International Symposium on Information Technology (ITSim 2010)* (Kuala Lumpur, 15-17 June).
21. Ng, E.L., **Yeo, A.W.** & Malancon, B.R. (2009). *Identification of Closely Related Indigenous Languages: An Orthographic Approach*. International Conference on Asian Language Processing (IALP 2009). Singapore. (IEEE Digital Library)
22. Teh, L.N. & **Yeo, A.W.** (2009). *Multilingual Multimodal Integration of Sketch and Speech: A Generic Speech Representation model for Spatial Description*. International Conference on Asian Language Processing (IALP 2009). Singapore. (IEEE Digital Library)

Paper in Professional Publications

1. **Yeo, A.W.**, Saeed, S. & Wilfred, J. (2008). Preservation of Sarawak indigenous languages. *Multilingual*. Vol. 19. No. 8. Dec. 2008. p36-39.
2. **Yeo, A.W.**, Khairuddin Ab Hamid & Songan, P. (2008). *Development of ICT Access Points and Applications for Rural and Remote Communities*. UNESCAP Policy Brief.
3. Ng, E.L. & **Yeo, A.W.** (2008). A Review of Information and Communication Technology Approaches in Maintenance and Revitalisation of Indigenous Languages. *Fifth International CyberSpace Conference on Ergonomics*. (Kota Samarahan, Malaysia, 15 Sept. – 15 Oct.)
4. T. Y. Lim, **Yeo, A.W.**, & Halimahtun, M. K. (2008). Usability Evaluation of Projective Groupware. *Fifth International CyberSpace Conference on Ergonomics*. (Kota Samarahan, Malaysia, 15 Sept. – 15 Oct.)

Refereed Full Papers in Conference Proceedings

1. Lo, M. C., Songan, P., **Yeo, A.W.**, Mohamad, A. A., & Nair, V. (2013). Rural tourism development. Industry's perspectives on sustainable tourism. 2nd International Conference on Economics, Business Innovation, 19th – 20th May, Copenhagen, Denmark. (Accepted).
2. Siew, S. T., **Yeo A.W.**; Phoa, J., Lo, M.C., Kulathuramaiyer, N. & Nair, V. (2013). Sustainable Remote and Rural Eco-tourism: Applying a Systemic, Holistic, Interdisciplinary and Participatory (SHIP) approach. *International Conference on Tourism Development* (Penang, Malaysia, 4-5 Feb).
3. Lo, M. C., Songan, P., Mohamad, A. A., & **Yeo, A.W.** (2012). Communities' Perceptions toward Rural Tourism: A Question of Preference. *The Proceedings of Business and Social Science Research Conference: Paris 2012*, (Paris, France, 27-28 Dec.)

4. Jupit, A.J.R, Minoi, J., Arnab, S. & **Yeo, A.W.**(2012).Story-Telling and Narrative Methods With Localised Content to Preserve Knowledge. *European Conference on Game-Based Learning*. (Cork, Ireland, 3-5 Oct.)
5. Zaman, T., **Yeo, A.W.** & Kulathuramaiyer, N. (2012). Tools and Strategies for managing Penans' Indigenous Botanical Knowledge. *Borneo Research Council Conference 2012: Identities, Cultures and Environments*. (Universiti Brunei Darussalam, Brunei, 25-27 June).
6. Chin, S.K. & **Yeo, A.W.**(2012). Collaborative Work towards Orthography System Development. *Borneo Research Council Conference 2012: Identities, Cultures and Environments*. (Universiti Brunei Darussalam, Brunei, 25-27 June).
7. Chin, S.K. & **Yeo, A.W.**(2012). Identifying the Key Components of an Online Collaborative Framework for Orthography System Development. *Proceedings of the Sixth International Workshop on Malay and Indonesian Language Engineering (MALINDO 2012)*. (Universiti Malaysia Sarawak, Malaysia, 21 Jun).
8. Yong, S.F., Ranaivo-Malançon, B. & **Yeo, A.W.** (2012). Discovering Triggered Word for Iban named-Entity Recogniser. *Proceedings of the Sixth International Workshop on Malay and Indonesian Language Engineering (MALINDO 2012)*. (Universiti Malaysia Sarawak, Malaysia, 21 Jun).
9. Talita, P., **Yeo, A.W.**& Kulathuramaiyer, N. (2012). Development of Iban WordNet (IbaWN): Introducing Hybrid Model. *Proceedings of the Sixth International Workshop on Malay and Indonesian Language Engineering (MALINDO 2012)*. (Universiti Malaysia Sarawak, Malaysia, 21 Jun).
10. Mah, Y., **Yeo, A.W.**&Siew, S. (2012). Exploring Paper Prototyping in Malaysian Borneo. *Proceedings of the Second International Conference of the Southeast Asian Network of Ergonomics Societies Conference (SEANES '12)*. (Langkawi, Malaysia, 9-12 Jul). ISBN 978-983-41742.
11. Ng, C.S., Cheah, W.S. & **Yeo, A.W.**(2012). Improving Rural-Urban Intergenerational Relationships Using ICTs. Second International Conference of the Southeast Asian Network of Ergonomics Societies Conference (SEANES '12). (Langkawi, Malaysia, 9-12 Jul). ISBN 978-983-41742.
12. **Yeo, A.W.**, Nair, V., Songan, P., Kulathuramaiyer, N., Lo, M. C.,&Mohamad, A. A. (2012).ICT in Community Based Tourism in Bario, Sarawak: Improvements on Social Economic Development. *Regional Symposium on Rural Tourism: Scaling up Community-Based Ecotourism*. (Royal University of Phnom Penh, Cambodia, 18-19 May).
13. Flora, S., Cheong, C.Y., Lee, J.C., Vyoone,E. & **Yeo, A.W.** (2011). Corpus - Based Speech Synthesizer for Iban and Bidayuh Languages. Fifth International MALINDO Workshop. (Singapore, 5 Dec.).
14. Fitri, S.M., Norazila, A.A., Soubakeavathi, R., **Yeo, A.W.**, Iwata, H., Rhetorics and Realities in Capturing Local Knowledge through the eyes of children: A Pangaea Experience in UNIMAS, *The Proceedings of 3rd e-Bario Knowledge Fair*, 2011, Bario, Malaysia.
15. Mohamad, A. A., **Yeo, A.W.**, Songan, P., & Lo, M. C. (2011). Dimensionality of Communities' Belief Attitude toward Tourism Development: The Case of Bario. *The Proceedings of E-Bario Knowledge Fair*, Third eBario Knowledge Fair 2011: ICTs for Indigenous Peoples (Bario, Sarawak Malaysia, 16-18 Nov.).
16. Mohamad, A.A., Lo, M. C., Songan, P., **Yeo, A. W.**(2010). Ecotourism Service Quality: A comparison of Expectation and Performance in a Remote Destination. *The Proceedings of the International Borneo Business Conference, Dawn of New Horizon, Business and Economics Perspectives*, (Miri, Sarawak, Malaysia, 13-15 Dec.).

17. Rohaya, M.N., Lim, T. & **Yeo, A.W.** (2010). Ethical Implications of Data Collection, Use and Retention of Biometric Data in Biometric Applications. *UKM-UNESCO Asia Pacific Conference on History, Politics, Strategic Studies and Climate Change*. (Bangi, Malaysia, 29-30 Nov).
18. Yvonne, E., Chin, B., **Yeo, A.W.**, Flora, S., & Teh, L.N. (2010). Employing Information and Communication Technologies in the Revitalisation and Maintenance of Indigenous Languages of Sarawak. *International Conference On Minority And Majority: Language, Culture And Identity*. (Kuching, Malaysia, 23-24 Nov.).
19. Siew, S.T., Rohaya, M.N., Swartzman, S., Lim, T., Cox, B. & **Yeo, A.W.** Ethical Implications of Digitalised Medical And Biometric Data. *eChallenges e.2010 Conference*. (Warsaw, Poland, 27-29 Oct.).
20. **Yeo, A.W.**, Mit, E., Chan, P., Labadin, J. & Tan, P. (2010). Cultural Modelling for Remote and Rural Communities. *Proceedings of the Third International Conference on Applied Human Factors and Ergonomics (AHFE)*. (Miami, USA, 17-20 Jul.).
21. Lim, T.Y., Khalid, H.M., & **Yeo, A.W.** (2010). Usability of integrated display groupware in collaborative work. *Proceedings of the Third International Conference on Applied Human Factors and Ergonomics (AHFE)*. (Miami, USA, 17-20 Jul.).
22. Emmy, D. H., Fatihah, R., Cheong, C.Y., Chin, S.K. & **Yeo, A.W.** (2010). An Application of Crowdsourcing for Language Preservation. *Borneo Research Council 10th Biennial International Conference 2010*. (Miri, Malaysia, 4-7 July).
23. Wilfred Busu, J.F., Flora, S., Norfadzlan, Y. & **Yeo, A.W.** (2010). Language Preservation through Speech Recognition System: A Case Study on Iban Language. *Borneo Research Council 10th Biennial International Conference 2010*. (Miri, Malaysia, 4-7 July).
24. Lo, M. C., Mohamad, A.A., Songan, P., & **Yeo, A. W.** (2009). Testing Multi-Dimensional Nature of "Service Quality" in a Rural Tourist Destination. *The Proceedings of South East Asia Regional Conference*, (3-5 Dec., Hong Kong Institute of Business Studies, Hong Kong).
25. Mohamad, A.A., Lo, M. C., Songan, P., & **Yeo, A. W.** (2009). Service Quality and Tourists' Satisfaction. A Test on Rural Tourist Destination. *The Proceedings of 2nd e-Bario Knowledge Fair*, November, 4-6 2009, Bario, Malaysia.

Refereed Posters Papers/Abstracts in Conferences

1. Yong, S.F., Ranaivo-Malancon, B. & **Yeo, A.W.** (2011) NERSIL - the Named-Entity Recognition System for Iban Language. *Proceedings of PACLIC 2011 : The 25th Pacific Asia Conference on Language, Information and Computation* (Singapore, 16-18 Dec.).
2. Tariq, Z., **Yeo, A.W.**, & Narayanan, K., (2011). Indigenous Knowledge Governance Framework (IKGF): A holistic model for indigenous knowledge management. Second International Conference on User Science and Engineering (i-USER2011) Doctoral Consortium. Universiti Teknologi MARA, Malaysia and IEEE Computer Society (Malaysia Section). Page 10.
3. Mohamad, A.A, Lo, M. C., Songan, P., Yeo, **A. W.** (2011). Validating a Tourism Instrument in Rural Tourism Destination. A Test on Bario., *The Proceedings of Asia Pacific Marketing and Management Conference 2011*, (Kuching, Malaysia, 9-11 Nov.).
4. Zaman, T., Narayanan, K., & Yeo, **A. W.** (2011). Indigenous Knowledge Governance Framework (IKGF): A holistic model for indigenous knowledge management. *Conference on IT in Asia 2011*. (Kuching, 12-14 July).
5. Tan, P.P., Chiu, P.C., **Yeo, A.W.** & Jati, A. (2010). Assistive Technology to Promote Disability Development - The Sarawak Perspective. *International Conference on the Perspective On Inclusive Development*. Kuching.

6. Nurul Zawiyah M., **Yeo, A.W.**, Samson Juan, S.F., & Sharin Hazlin H. (2009). *Towards a Total Telecentre Management System : eBario Case Study*. Second eBario Knowledge Fair. Bario, Sarawak, Malaysia.
7. Salbia H., Ting, S.H., The, L.N., **Yeo, A.W.**, and Lee, J.C. (2009). *Sociolinguistic input in English-Melanau translation*. 12th International Translation Conference. Pulau Pinang, Malaysia, 2009.
8. Samson Juan, Sarah F., **Yeo, A.W.**, Nurul ZawiyahM.,&Sharin Hazlin H. (2009). *Improving the Access to ICTs for Remote Communities through a Portable Information Delivery System*. Second eBario Knowledge Fair. Bario, Sarawak, Malaysia.
9. Ng, E.L. &**Yeo, A.W.**(2008). A Review of Information and Communication Technology Approaches in Maintenance and Revitalisation of Indigenous Languages. *Fifth International CyberSpace Conference on Ergonomics*. (Kota Samarahan, Malaysia, 15 Sept. – 15 Oct.).
10. T. Y. Lim, **Yeo, A.W.**, &Halimahtun, M. K. Usability Evaluation of Projective Groupware. *Fifth International CyberSpace Conference on Ergonomics*. (Kota Samarahan, Malaysia, 15 Sept. – 15 Oct.).
11. Mohd Hanafiah, S., D'oria, I.R., **Yeo, A.W.**&Ng, G.W. (2008). Design & Development of Spoken Language Dialogue System; Efficacy of Usability Evaluation Techniques. *Fifth International CyberSpace Conference on Ergonomics*. (Kota Samarahan, Malaysia, 15 Sept. – 15 Oct.).
12. Saeed, S., **Yeo, A.W.**& George, C. (2008). Iban Morphological Analyser. *Second International MALINDO Conference*. (Cyberjaya, 12-13 June 2008).
13. Suhaila, S. **Yeo, A.W.**&Wilfred, J. (2008). Sarawak Language Technology (SaLT) Initiative: Preservation of Sarawak Ethnic Languages. *Ninth Biennial Conference of the Borneo Research Council*. (Kota Kinabalu, 29 - 31 Jul.)
14. Suhaila, S., **Yeo, A. W.**&Mit, E. (2008).Development Of Iban Corpus: Methodology Employed And Challenges Faced. *Ninth Biennial Conference of the Borneo Research Council*. (Kota Kinabalu, 29 - 31 Jul.)

Unrefereed Papers

1. Zaman, T., Narayanan, K., &**Yeo, A. W.**(2010). Balanced Scorecard approach for benchmarking rural ICT projects. *Faculty of Computer Science and Information Technology Postgraduate Colloquium*. Universiti Malaysia Sarawak, Malaysia
2. Zaman, T., Narayanan, K.,&**Yeo, A.W.**(2010).Performance Measurement of Indigenous Knowledge Management. *Faculty of Computer Science and Information Technology Postgraduate Colloquium*. Universiti Malaysia Sarawak, Malaysia.
3. Loh, C.W., **Yeo, A.W.** & Narayanan, K. Integration of Multimodalities. (2010).*Faculty of Computer Science and Information Technology Postgraduate Colloquium*. Universiti Malaysia Sarawak, Malaysia.

Referees

University-Level

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