

Curriculum Vitae (CV) for:

**KOO AH-CHOO**

EDUCATION BACKGROUND	
1990 – 1995	Bachelor of Science and Computer with Education, with First Class Honours, Universiti Teknologi Malaysia (UTM) Skudai.
October 1997	Registered as a candidate for the degree of Master of Philosophy (MPhil) Multimedia University.
November 1998	Approval of conversion from Mphil to PhD candidate by the Centre for Research and Postgraduate Programmes, Multimedia University.
July 2006	PhD (Educational Technology) Multimedia University. Thesis title: Online collaborative learning in Malaysian Secondary Schools: A case study on geometry.
PUBLICATION	
<p>Poon, W. C. &amp; Koo, A.C. (2010). Mobile learning: the economics perspective. <i>Int. J. Innovation and Learning</i>, Vol. 7, No. 4, pp.412–429.</p> <p>Koo, A.C., Lim, Y.P., &amp; Chin, W.P. (2009). Garden of Pattern. In <i>Research Creation Exhibition 2 Faculty of Creative Multimedia - The Proscenium of Art, Humanities &amp; Technology</i>. Cyberjaya: Multimedia University. P. 36-37.</p> <p>Koo, A.C., Lim, Y.P., &amp; Chin, W.P. (2009). Garden of pattern. Exhibited in Research Creation Exhibition, Dec 9, E-gallery, Cyberjaya: Multimedia University.</p> <p>Mislina, A. M.S., Koo, A.C., Madhubala, B. H. (2009). Factor analysis on students' attitudes towards learning Probability. Symposium Kebangsaan Sains Matematik ke 17, 15-17 Disember, 2009, Melaka.</p> <p>Reginamary, M., Hew, S.H., &amp; Koo, A.C. (2009). Multimedia learning object to build cognitive understanding in learning Introductory Programming. In G. Kotsis, D. Taniar, E. Pardede, &amp; I. Khalil (Eds.). <i>Proceedings of the 7th International Conference on Advances in Mobile Computing and Multimedia (MoMM 009, Emerging Research Project and Application and Serviced (ERPAS) - short paper)</i>. pp. 396-400. ACM ISBN: 978-1-60558-659-5 (electronic), OCG ISBN: 978-3-85403-261-8 (print)</p> <p>Hayati, H., Koo, A.C., &amp; Song, S.Y. H. (2009). Exploring learner's perception of mobile learning. In M. I. Posiah, M., Mohd Nor, A.A. Azlan, H. J. Mohd Nor Hajar, M. I. Mohd Ali, A. A. Siti Rahayu (2009). Paper presented and published in e-Proceeding the 2nd International Conference on e-Learning. 1-2 December 2009, i-Learn UTM, Malaysia. ISBN 978-967-305-476-3. List in page 29.</p> <p>Koo, A.C., Ahmad Rafi, M.E., Teoh, S.H., &amp; Khairul, A.S. (2009). Pedagogical guide for geometry education. In U.H. Cheah, Y. Wahyudi, R.P. Devadason, K.T. Ng, W. Preechaporn, &amp; J.C. Aligaen (Eds.) (2009). <i>Proceedings of the 3rd International Conference on Science and Mathematics Education</i>, 10-12 Nov 2009, SEAMEO RECSAM: Penang, pp. 329-335. (Presented)</p> <p>Siti Hadiati, N., Koo, A.C., &amp; Hew, S.H. (2009). The proposed conceptual framework of e-audio visual biology for teaching and learning in Indonesian Senior High Schools. In U.H. Cheah, Y. Wahyudi, R.P. Devadason, K.T. Ng, W. Preechaporn, &amp; J.C. Aligaen (Eds.) (2009). <i>Proceedings of the 3rd International Conference on Science and Mathematics Education</i>. SEAMEO RECSAM: Penang, pp. 186-192. (Presented)</p>	

Ng, L. S., Lim, Y. P., Koo, A. C., & Muhamad Ayman. (2009). Students' Perception In Problem-Based Digital Visual Effects Programs. *Technology, Instruction, Cognition and Learning (TICL)*, 6(4). p. 273-289. ISSN 1540-0182 (print) 1540-0174 (on-line)

Ong, L. L., Koo, A. C., and Lim, Y. P. (2009). A study on the perception of using browser-based interactive response system in Malaysian tertiary classrooms. Proceeding of the 4th International Conference on Interactive Mobile and Computer Aided Learning (IMCL 2009), Princess Sumaya University for Technology. Amaman-Jordan, pp 37-43.

Koo, A.C., Ahmad Rafi M.E., Khairul A.S. & Balachandher, K.G. (2009). An evaluation of a constructivist online collaborative learning activity: a case study on geometry. *The Turkish Online Journal of Educational Technology (TOJET)*. 8 (1) Article 2. p. 15-25.

Poon, W.C. & Koo, A.C. (2008). Emerging issues and development of mobile learning. Paper presented at the 2<sup>nd</sup> Asia Pacific Mobile Learning & Edutainment Conference 2008, Kuala Lumpur, November 20-21.

Teoh, S.H., & Koo, A.C. (2008). Exploring Students' Motivation in Studying Mathematics. Paper to be presented at the International Conference on Teacher Education in the Muslim World (ICTEM2008), Kuala Lumpur, July 14-16.

Koo, A.C., Ahmad Rafi M.E., Khairul A.S. & Balachandher, K.G. Technology-based teaching guide for geometry education: A case study in Malaysia. A manuscript submitted to International Journal for Mathematics and Learning. 23 Feb 2008.

Ng L. S., Lim, Y. P., Koo, A. C. & Muhamad Ayman (2007). Teaching and Learning of Digital Visual Effects through Problem-based Learning. In Kinshuk, D.G. Sampson, J.M. Spector & P. Isaías (eds). Proceeding of IADIS International Conference on Cognition and Exploratory Learning in Digital Age (CELDA) 2007, pp. 11-18.

Koo, A. C. (2008). Factors affecting teachers' perceived readiness for online collaborative learning: A case study in Malaysia. *Educational Technology & Society*, 11 (1), 266-278.

Koo, A.C., Dempsey, J.V., & Chin, W.P. (2007, June 12). Direct design of learning with mobile technology. Paper presented at 3<sup>rd</sup> International Conference on Open and Online Learning organised by Virtual Centre for Innovative Learning Technologies, University of Mauritius and School of Distance Education, USM at University Science Malaysia, Penang, Malaysia.

Helena Song, S. Y. & Koo A.C. (2007, Dec). A study on the undergraduates' perception towards the use of online discussion for a media studies course. Paper presented at Conference on e-Learning, 12-14 December, 2007, organized by Universiti Teknologi MARA Malaysia and the i-Learn Centre (i-LeC), UiTM, Shah Alam.

Ling, S.W., Koo A.C. & Ong, C.C. (2007, Dec). Diffusion and adoption of analysis phase in instructional design model. Paper presented at Conference on e-Learning, 12-14 December, 2007, organized by Universiti Teknologi MARA Malaysia and the i-Learn Centre (i-LeC), UiTM, Shah Alam.

Koo, A.C., Lee, C.S., Ling, S.W. & Ahmad Rafi, M.E. (2007, Feb 8). A study on information and communication technology experiences and digital divide among teachers and students in secondary

schools. Paper presented at Kolokium Penyelidikan 2007, organised by E-Community Research Center, University Kebangsaan Malaysia, Bangi, Malaysia.

Koo, A.C. (2006, August). Online collaborative learning for Malaysian secondary schools: A case study on geometry. Unpublished Doctoral Dissertation, Multimedia University, Malaysia.

Koo, A.C. (2006). Online collaborative learning for Malaysian secondary schools: Issues and challenges. *Malaysian Journal of Educational Technology*, 6(1), pp. 29-37.

Koo, A.C., Teoh, S.H. & Balachandher, K.G.(2006, July). Data analysis for research: An example of structural equation modeling approach. Paper presented at E-Learning Seminar, Multimedia University, Malaysia.

Koo, A.C. (2005, Dec). Online collaborative learning for Malaysian secondary schools: Issues and Challenges. Paper presented at ASEAN Seminar on e-Learning, PJ, Malaysia.

Koo, A. C., Lee, C.S. & Chin, W. P. (2005). Factors for successful online collaborative learning: Experiences from Malaysian Secondary School Students. *Proceedings of Ed-Media 2005*, Vol. 2005, Issue. 1, p. 2031-2038.

Koo, A.C. (2002). Bringing the “Real” Mathematics to Schools through Information and Communication Technology. *Proceeding of the 7<sup>th</sup> Asian Technology Conference in Mathematics 2002 (ATCM2002)*. P. 200-205.

Koo, A. C. (2001, July 10-13). A Study on Teachers’ Perception towards Computer-Mediated Collaborative Learning. *Africa Connects Conference*, Cape Town, South Africa.

Koo, A.C. (2000, November 21-23). Computer-Mediated Collaborative Learning: A new paradigm to engage learning. *International Conference on Technical & Vocational Education*, Petaling Jaya, Malaysia.

Koo, A. C. (1999, December 1-2). Discovering Geometry Through Technology-Assisted Collaborative Learning. *National Postgraduate Seminar of Public Higher Learning Institution (Persidangan Kebangsaan Pascasiswazah IPTA)*, Universiti Malaysia Sabah, Kota Kinabalu, Sabah.

Koo, A.C. (1998, March 7-8). Constructivism as the foundation of technology-supported cooperative learning (TACL): *Academia Asia’98: Malaysia’s Premier National & International Education & Technology Exposition*, Petaling Jaya : Malaysia.

**PROFESSIONAL TASKS:**

International Journal Reviewer (since 2007 April )	Peer reviewer for ETS (International Journal of Educational Technology and Society, url: <a href="http://www.ifets.info/index.php?http://www.ifets.info/reviewers.php">http://www.ifets.info/index.php?http://www.ifets.info/reviewers.php</a>
Conference reviewer	Reviewer for MMU International Symposium on Information and Communications Technologies (Mu2sic), organised by MMU, for year 2006, 2007

**CAREER HISTORY:**

2006 July / Present	Lecturer at Multimedia University, Faculty of Creative Multimedia, Cyberjaya, Malaysia.
1997 – July 2006	Tutor at Multimedia University, Faculty of Creative Multimedia, Cyberjaya Campus.

1995- April 1997	Secondary school teacher teaching Mathematics and Science at Sek. Men. Kebangsaan Bahau, Negeri Sembilan.
April – June 1997 (2 months)	Secondary school teacher teaching Mathematics and Science at Sek. Men. Kebangsaan Sultan Alauddin, Masjid Tanah, Melaka.
<b>GRANT:</b>	
FRGS Grant Date of Approval: 19 Oct2009)	Grant Project on ProbMobile
e-Science fund Date of Project: April 2010	Grant Project on Pattern
TM R & D Date: April 2007	Submit proposal for TM R&D collaboration
<b>EXHIBITION:</b>	
FCM Research Creation Exhibition 2	Koo, A.C., Lim, Y. P. & Chin, W.P. (2009). Garden of Pattern, exhibited in FCM Research Creation Exhibition 2, 9-10 December 2009, E-Gallery, FCM, MMU.
FCM Research Creation Exhibition 1	Koo, A.C., Lim, Y. P. & Chin, W.P. (2007). DigitalGarden, exhibited in FCM Research Creation Exhibition, 17-24 August 2007, E-Gallery, FCM, MMU.
Research Centre CINE Exhibition	Exhibit “Bringing the real math into classroom”, MMU Open Day, 18 March 2007, at Grand Hall, MMU. (This exhibit aims to promote meaningful learning through multimedia and networks for bringing the real picture of mathematics into classroom).
<b>AWARDS:</b>	
	Ng L. S., Lim, Y. P., Koo, A. C. & Muhamad Ayman (2007). Teaching and Learning of Digital Visual Effects through Problem-based Learning.. Outstanding Paper Award. Awarding Body: IADIS International Conference on Cognition and Exploratory Learning in Digital Age (CELDA) 2007. Algarve, Portugal, Dec 7-9.
<b>RESEARCH SUPERVISION:</b>	
as Supervisor	For 1 Master Student, 2 PhD student
as Co-supervisor	For 4 PhD student
<b>SKILLS:</b>	
Computer Skills	<ol style="list-style-type: none"> <li>1. SPSS Statistical Package</li> <li>2. SPSS Amos</li> </ol> Able to use and produce multimedia applications or contents (materials) by using various software tools such as: Macromedia Director and Lingo, Macromedia Flash, Macromedia Authorware, Macromedia Dreamweaver, Adobe Premiere, Macromedia Freehand, Adobe Photoshop. Familiar with multimedia project management and authoring process.
Interpersonal Skills	Able to work in team and always believe that teamwork is an important criterion for institutional success.

**Presentation /workshops/courses given:-**

Koo, A.C. (2009, Jan 16). References and How to cite it: The gory details. Presented in Faculty Journal Writing Workshop. Faculty Meeting Room.

Koo, A.C. & Teoh, S. H. (2007, Oct 18). Design Principles and Exploration for STESTMAP Courseware. An invited presentation at Statmap Special Interest Group (SIG) meeting organised by Universiti Teknologi Mara Sarawak, Kuching.

Trainer for Research Methodology Course, as part of the services provided through STATMAP Sig. This training was organized by Institut Penyelidikan, Pembangunan & Pengkomersilan (IRDC) and Jabatan Sains Ukur and Geomatik (JSUG), FSPU, UiTM. Date of training: 22-24 May 2007.

Koo, A.C., Lim, Y.P. & Song, S.Y. (2007, July 20). Nurturing the creative process through Laxton's Design Model. A paper presented at 10th Anniversary Monograph Seminar, organised by the Centre of Innovative Education (CINE), MMU.

"Inferential data analysis", a talk given during monthly meeting for the Centre for e-Learning, 17 August, 2007, 2.30-4pm.

Teaching staff (supporting Prof Woods) for Research Methodology Class focusing on Data Analysis, Master of E-Learning and Master of Knowledge Management, courses offered by Knowledge Management Centre, FCM, Multimedia University, session 2006/2007.

Trainer for Macromedia Director, as a consultancy project for Unitele Multimedia Sdn. Bhd. (UMSB). 06 to 08 Nov 2006, at MMU Melaka Campus to PDRM Trainee.

Computer-Mediated Collaborative Learning: A new paradigm to engage learning. Workshop on Program Desanet-Pendita: An Information Promotional Workshop for School Teachers. 20 February 2001, Ayer Keroh D' Village Melaka.

Trainer for In-House Training for Macromedia Dreamweaver and Flash, 22 Sept 2000 and 23 Sept 2000 (Cyberjaya), 29 Sept 2000 and 30 Sept 2000 (Melaka).

#### **Seminar/workshops/courses attended:**

1) Attended and completed the following training programs conducted by the SPSS Users' Association of Kuala Lumpur & Selangor:-

- a) SPSS in Educational Research – Part 2 by Assoc. Prof Dr. Ananda Kumar Palaniappan, UM.
- b) The use of SPSS in Non-Parametric Procedures by Assoc. Prof. Dr. Tey Nai Peng, UM.
- c) Structural Equation Modeling with SPSS Amos: Beginner & Intermediate Level by Dr Khong Kok Wei

2) Attended SPSS 10<sup>th</sup> & 11<sup>th</sup> Annual Conference at PJ.

3) Participated in the Research Methods Workshop organized by Motorola University & Multimedia University, 27-29 March 2001, conducted by Rebecca Phillips

4) MMU R&D workshop for writing R&D Blueprint Document. Port Dickson, 4-6 May 2008.

5) Workshop on Writing Research Grant, organised by Research Management Centre (RMC), at Melaka, 1-3 June 2008.

**Courses taught in the Faculty of Creative Multimedia (a progressive record):**

**Trimester 1, Session 2006/2007**

Computer Graphics 1 (MCC0013), 1 tutorial group.  
Digital Media (MMB2013, servicing subject), 2 tutorial groups

**Trimester 2 Session 2006-2007**

Multimedia Authoring (MCP1013), Tutorial Group 3 and Group 4

**Trimester 3 Session 2006-2007**

Computer Graphics 3 (MCC0033), Coordinator, also in charged of two tutorial groups.

**Trimester 1 Session 2007-2008 (Current trimester)**

Computer Environment (MCE1013) -- Lecture and tutorial, team up with Mdm Ling and Mr John Hii  
Computer Graphics 1 (MCC0013) -- In-charge of tutorial Group 5, 1 and Group BC193A

**Session 2007/2008 (Trimester 34, 35, 36)**

1. Computer Graphics 1 (Tutorial Section, MCG1013). Trimester 34, 08 November 2007. Evaluation score: 4.03/5.0
2. Computer Graphics 1 (Tutorial section, MCC0013). Trimester 34, November 2007. Evaluation score: 3.8/5
3. Multimedia Authoring (Tutorial section, MCP1013). Trimester 35, Nov 07– Jan 08, Evaluation score: 3.85/5
4. Computer Graphics 3 (Tutorial section, MCC0013), Trimester 35, Nov 07 - Jan 08, Evaluation score: 4.8667
5. Computer Graphics 3 (Lecture Section, MCC0033), Trimester 36 – Feb - May08, Evaluation score for lecture: 3.9841/5
6. Computer Graphics 1 (Tutorial section, MCC0013). Trimester 36, Feb – May08, Evaluation score: 3.5796/5

**Session 2008/2009 (Trimester 37) 1<sup>st</sup> trimester (16 June – 28 Sept 2008)**

7. Computer Environment (Tutorial Section, MCE1013). Trimester 37 - Trimester 1, June - Oct 2008, co-lecturer was Mdm Ling SW, Evaluation score: 4.015/5
8. Computer Graphics 1 (Tutorial section, MCC0013). Trimester 37, June-Oct 2008, total evaluation score: 4.38/5

**Session 2008/2009 (Trimester 38) 2<sup>nd</sup> Trimester 10 Nov – 4 Jan**

MCP1013 Multimedia Authoring – 3R project – Rachel  
MCC0033 Shayan Group Scenes in Cyberjaya (helping Siew Woei)

**Session 2008/2009 (Trimester 39) 3<sup>rd</sup> trimester (2<sup>nd</sup> Feb – 17 May**

Internet Application (MCI1013) as coordinator  
Computer Graphics 3 – Graphics Design approach supporting Mr Ramlan

**Professional Membership**

Ex-member of SPSS Users' Association of Kuala Lumpur & Selangor.

Whole life member of Malaysia Mathematics Education Association (Persatuan Pendidikan Matematik Malaysia)