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BSc, PhD, MPA, CEng, CSci, CITP, FBCS, FCMI, FIMA, FIET, FHKIE, FHKCS, SrMIEEE

Director of Information Technology

The Open University of Hong Kong

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張
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士

Academic Qualifications

BSc in Computer Science, City University of Hong Kong

PhD in Computer Science, City University of Hong Kong

Master of Public Administration, The University of Hong Kong

Professional Qualifications

Chartered Engineer, Engineering Council, UK

Chartered Scientist, Science Council, UK

Fellow, British Computer Society, UK

Fellow, Chartered Management Institute, UK

Fellow, Institution of Engineering and Technology, UK

Fellow, Institute of Mathematics and its Applications, UK

Fellow, Hong Kong Computer Society, Hong Kong

Fellow, Hong Kong Institution of Engineers, Hong Kong

Senior Member, Institute of Electrical and Electronics Engineers, USA

Present and Previous Positions

2010 - *now* Director of Information Technology
The Open University of Hong Kong

2007 - 2010 Director of IT Services, SPACE
The University of Hong Kong

1998 - 2007 Associate Head of Registry and IT Services (*from* 2003) / IT Manager, SCE
Hong Kong Baptist University

1990 - 1998 Computer Officer (*from* 1991) / Assistant Computer Officer
The Chinese University of Hong Kong

1988 - 1990 Analyst Programmer, Research Department
Hong Kong Council of Social Services

Recent Academic Services

Editorship of the following international journals and books

- Guest Editor, *Journal of Computing in Higher Education*, Springer
- Guest Editor, *Open Learning : Journal of Open & Distance Learning*, Routledge
- Guest Editor, *Journal of Computers in Education*, Springer
- Guest Editor, *International Journal of Innovation and Learning*, Inderscience
- Guest Editor, *International Journal of Services and Standards*, Inderscience
- Editorial Board Member, *Journal of Control Engineering and Technology*
- Editorial Board Member, *Journal of Advancements in Computing Technology*
- Editorial Board Member, *Journal of Convergence Information Technology*
- Editor, *Lecture Notes in Computer Science*, Springer (8 books)
- Editor, *Communications in Computer & Information Science*, Springer (5 books)
- Editor, *Advances in Engineering Research*, Atlantis (1 book)
- Editor, *Advances in Social Science, Education & Humanities*, Atlantis (1 book)
- Editor, *Transactions on Computer Science & Engineering*, DEStech (1 book)

Keynote Speaker of the following international conferences

- International Conference on Information Technology and Application
- International Conference on Modern Education and Information Technology
- International Conference on Big Data and Computing
- International Conference on EEE and Information Science
- International Conference on Computer Science and Mechanical Automation
- International Conference on Control and Automation
- International Conference on Electronic Computer Technology
- Education and Information Technology Conference

Technical/Programme Chair of the following international conferences

- International Conference on Blended Learning
- International Conference on Hybrid Learning
- International Conference on Technology in Education
- International Symposium on Educational Technology
- International Conference on Big Data and Computing
- International Conference on EEE and Information Science
- International Conference on Machine Learning and Computing
- International Conference on Software Technology and Engineering
- International Conference on Computer and Network Technology
- International Conference on Mechanical and Electronic Engineering

Recent Professional Services

Office-bearer of the following institutions and organizations

- Vice President, Hong Kong Society for Multimedia and Image Computing
- Vice Chairman, International Hybrid Learning Society
- Deputy Chairman, CPD Committee, Hong Kong Institution of Engineers
- Honorary Secretary, IT Division, Hong Kong Institution of Engineers
- IT Advisory Committee, Hong Kong Institution of Engineers
- Steering Committee, Joint University Computer Centre, Hong Kong
- Planning Committee, Asia HEUG (Higher Education User Group) Conference
- Hong Kong Information Technology Joint Council, Hong Kong

Consultant of the following institutions and organizations

- Honorary Consultant on e-Learning, Beijing Open University
- Panel of Experts, Shenzhen - Hong Kong Innovation Circle
- Assessor for Chartered Engineer application/revalidation, Engineering Council
- Assessor for Chartered Scientist application/revalidation, Science Council
- Assessor for Chartered Fellow application, British Computer Society
- Assessor for Corporate Member application, Hong Kong Institution of Engineers
- Chief Assessor, Hong Kong ICT Award (Best Public Service Application)
- Judge, CIO Choice Award, The IT Pro Corporate Choice
- Judge, HKIE Prize for Outstanding Engineering Students
- Judge, Enginnovate Award, University of Hong Kong
- Mentor, Faculty of Engineering, University of Hong Kong
- Mentor, Department of Computer Science, City University of Hong Kong

Awards and Honours

Outstanding Research Publication Award, OUHK, 2016

1st class Achievement in Computer Science, Shenzhen Science & Tech Association, 2016

Honouree for IT Excellence, CIO Awards, 2016

1st class Chief Information Officer, Hong Kong IT Joint Council, 2015

Hong Kong ICT Award (Best Business Solution) Special Award, 2015

Excellent Paper Award, Int'l Conference on ICT in Teaching and Learning, 2013

Excellent Paper Award, Int'l Conference on ICT in Teaching and Learning, 2012

Best Paper Award, China Continuing Education Conference, 2009

Best Presentation Award, Technology-Enhanced Learning, Academia Sinica, 2009

Listed in Who's Who in Science and Engineering

Research Interests

- *Software and System Engineering*, including component-based system design, use-case driven system design, parallel processing, concurrent process control, and Petri net and other formal methods
- *Technology for Teaching and Learning*, including blended learning and hybrid learning, mobile learning and ubiquitous learning, open educational resources, e-learning systems and platforms

Publication Profile

1 monograph and 17 edited books

- 1 research monograph published by Springer under the *Theoretical Computer Science* series
- 8 edited books published by Springer under the *Lecture Notes in Computer Science* series (Vol. 6248, 7411, 8038, 8595, 9167, 9757, 10309, and 10949)
- 5 edited books published by Springer under the *Communications in Computer and Information Science* series (Vol. 302, 407, 494, 559, and 843)
- 2 edited books published by Atlantis under the *Advances in Engineering* series (Vol. 131), and *Advances in Social Science, Education and Humanities* series (Vol. 72)
- 1 edited book published by DEStech under the *Transactions on Computer Science and Engineering* series
- 1 edited book published by City University of Hong Kong Press

11 edited journal special issues

- 1 edited special issue for the *Journal of Computing in Higher Education*, published by Springer (to appear)
- 1 edited special issue for the *Journal of Computers in Education*, published by Springer (to appear)
- 1 edited special issue for the *Open Learning : The Journal of Open, Distance and E-Learning*, published by Routledge (Vol. 33, No. 2)
- 5 edited special issues for the *International Journal of Innovation and Learning*, published by Inderscience (Vol. 19, No. 4; Vol. 21, No. 4; Vol. 23, No. 4; and two to appear)
- 3 edited special issues for the *International Journal of Services and Standards*, published by Inderscience (Vol. 10, No. 4; Vol. 11, No. 2; and one to appear)

120+ journal articles, book chapters and conference papers

- refereed journal articles (mainly indexed in SCI, ESCI, Scopus, EBSCO, etc.)
- refereed book chapters (mainly published by Springer, and indexed in Scopus, Engineering Index, etc.)
- conference papers (mainly IEEE conferences, and indexed in IEEE Xplore, Engineering Index, etc.)

SELECTED PUBLICATIONS

The following shows a list of selected publications. A full list of publications is available upon request.

Research Monograph

- **K.S. Cheung**, *Augmented Marked Graphs*, xii + 150 pages, Springer, 2014. [ISBN 978-3-319-06428-4]

Edited Books / Volumes in Book Series

- **K.S. Cheung**, L.F. Kwok, K. Kubota, L.K. Lee & J. Tokito (Eds.), *Blended Learning : Enhancing Learning Success*, Lecture Notes in Computer Science, Vol. 10949, Springer (to appear)
- **K.S. Cheung**, J. Lam, K.C. Li, O. Au, W. Ma & W.S. Ho (Eds.), *Technology in Education : Innovative Solutions and Practices*, Communications in Computer and Information Science, Vol. 843, xiv + 295 pages, 2018. [ISBN 978-9-811-30007-3]
- **K.S. Cheung**, L.F. Kwok, W.K. Ma, L.K. Lee & H. Yang (Eds.), *Blended Learning : New Challenges and Innovative Practices*, Lecture Notes in Computer Science, Vol. 10309, xiv + 490 pages, Springer, 2017. [ISBN 978-3-319-59360-9]
- **K.S. Cheung** (Ed.), *Proceedings of the International Conference on Electronics, Electrical Engineering and Information Science 2017*, Advances in Engineering Research, Vol. 131, viii + 558, Atlantis Press, 2017. [ISBN 978-1-5108-4982-2]
- C. Liu & **K.S. Cheung** (Eds.), *Proceedings of the International Conference on Management, Education and Social Science 2017*, Advances in Social Science, Education and Humanities, Vol. 72, x + 649, Atlantis Press, 2017. [ISBN 978-1-5108-4227-4]
- **K.S. Cheung** (Ed.), *Proceedings of the 3rd International Conference on Computer Science and Mechanical Automation*, Transactions on Computer Science and Engineering, DEStech Publication, 2017. [ISBN 978-1-605-95506-3]
- **K.S. Cheung**, L.F. Kwok, J. Shang, A. Wang & R. Kwan (Eds.), *Blended Learning : Aligning Theory with Practices*, Lecture Notes in Computer Science, Vol. 9757, xvi + 388 pages, Springer, 2016. [ISBN 978-3-319-41165-1]
- **K.S. Cheung**, L.F. Kwok, H. Yang, J. Fong & R. Kwan (Eds.), *Hybrid Learning : Innovation in Educational Practices*, Lecture Notes in Computer Science, Vol. 9167, xii + 414 pages, Springer, 2015. [ISBN 978-3-319-20621-9]
- J. Lam, K.K. Ng, **K.S. Cheung**, T.L. Wong, K.C. Li & F.L. Wang (Eds.), *Technology in Education : Technology-Mediated Proactive Learning*, Communications in Computer and Information Science, Vol. 559, ix + 291 pages, Springer, 2015. [ISBN 978-3-662-48978-9]
- K.C. Li, T.L. Wong, **K.S. Cheung**, J. Lam & K.K. Ng (Eds.), *Technology in Education : Transforming Educational Practices with Technology*, Communications in Computer and Information Science, Vol. 494, viii + 233 pages, Springer, 2015. [ISBN 978-3-662-46158-7]

- **K.S. Cheung**, J. Fong, J. Zhang, R. Kwan & L.F. Kwok (Eds.), *Hybrid Learning in Practice*, Lecture Notes in Computer Science, Vol. 8595, xiv + 360 pages, Springer, 2014. [ISBN 978-3-319-08961-4]
- **K.S. Cheung**, J. Fong, W. Fong, F.L. Wang & L.F. Kwok (Eds.), *Hybrid Learning and Continuing Education*, Lecture Notes in Computer Science, Vol. 8038, xiv + 410 pages, Springer, 2013. [ISBN 978-3-642-39750-9]
- J. Lam, K.C. Li, **K.S. Cheung** & F.L. Wang (Eds.), *Knowledge Sharing Through Technology*, Communications in Computer & Information Science, Vol. 407, viii + 235 pages, Springer, 2013. [ISBN 978-3-642-45272-7]
- **K.S. Cheung**, J. Fong, L.F. Kwok, K. Li & R. Kwan (Eds.), *Hybrid Learning*, Lecture Notes in Computer Science, Vol. 7411, xiv + 372 pages, Springer, 2012. [ISBN 978-3-642-32018-7]
- K.C. Li, F.L. Wang, K.S. Yuen, **K.S. Cheung** & R. Kwan (Eds.), *Enhancing Learning Through Technology*, Communications in Computer & Information Science, Vol. 302, x + 225 pages, Springer, 2012. [ISBN 978-3-642-31398-1]
- V. Lee, F.L. Wang, **K.S. Cheung** & A. Hung (Eds.), *Blended Learning : Maximization of Teaching and Learning Effectiveness*, xii + 280 pages, City University of Hong Kong, 2011. [ISBN 978-9-624-42339-6]
- P. Tsang, **K.S. Cheung**, V. Lee & R. Huang (Eds.), *Hybrid Learning and Education*, Lecture Notes in Computer Science, Vol. 6248, x + 531 pages, Springer, 2010. [ISBN 978-3-642-14657-2]

Edited Journal Special Issues

- **K.S. Cheung**, F.L. Wang & L.F. Kwok (Eds.), Special Issue on Blended Learning Practices for Enhancing Learning Success, *Journal of Computing in Higher Education*, Springer (to appear).
- L.K. Lee, F.L. Wang, **K.S. Cheung** & L.F. Kwok (Eds.), Special Issue on Trends in Learning Analytics, *Journal of Computers in Education*, Springer (to appear).
- **K.S. Cheung**, T.S. Au, L.K. Lee & H. Yang (Eds.), Special Issue on Enhancing Learning Effectiveness with Innovative Multifaceted Learning, *International Journal of Innovation and Learning*, Inderscience (to appear).
- F.L. Wang, K.C. Li, **K.S. Cheung** & K.K. Ng (Eds.), Special Issue on Studies on Emerging Learning Tools and Approaches, *International Journal of Services and Standards*, Inderscience (to appear).
- **K.S. Cheung**, L.F. Kwok, W. Ma, H. Yang & J. Shang (Eds.), Special Issue on Innovative Application of Technology in Education, *International Journal of Innovation and Learning*, Inderscience (to appear).
- **K.S. Cheung**, F.L. Wang & Y. Xie (Eds.), Special Issue on Innovative Practices of Blended Learning, *Open Learning : The Journal of Open and Distance Learning*, Vol. 33, No. 2, Routledge, 2018.
- **K.S. Cheung**, L.F. Kwok, T.S. Au & L.F. Kwok (Eds.), Special Issue on Technological Innovation in Teaching and Learning Practices, *International Journal of Innovation and Learning*, Vol. 23, No. 4, Inderscience, 2018.

- **K.S. Cheung**, F.L. Wang, T.S. Au & L.F. Kwok (Eds.), Special Issue on Technology-Enhanced Learning : Aligning Innovation with Practice, *International Journal of Innovation and Learning*, Vol. 21, No. 4, Inderscience, 2017.
- **K.S. Cheung**, F. L. Wang, K.C. Li, J. Lam & R. Kwan (Eds.), Special Issue on Technology-Mediated Learning, *International Journal of Services and Standards*, Vol. 11, No. 2, Inderscience, 2016.
- **K.S. Cheung** & F.L. Wang (Eds.), Special Issue on Open, Flexible and Personalized Learning, *International Journal of Innovation and Learning*, Vol. 19, No. 4, Inderscience, 2016.
- F.L. Wang, R. Kwan, K.C. Li & **K.S. Cheung** (Eds.), Special Issue on Online Education, *International Journal of Services and Standards*, Vol.10, No. 4, Inderscience, 2015.

Journal Articles on System and Software Engineering

- **K.S. Cheung**, "Proper Augmented Marked Graphs : Properties, Characterizations and Applications", *Information Technology and Control*, Vol. 46, No. 1, pp. 5-15, 2017.
- **K.S. Cheung** & K.O. Chow, "A Petri-net-based Method for Refining Object Behavioural Specifications", *Informatica*, Vol. 33, No. 2, pp. 221-232, 2009.
- **K.S. Cheung**, "Augmented Marked Graphs", *Informatica*, Vol. 32, No. 1, pp. 85-94, 2008.
- **K.S. Cheung**, "Compositional Synthesis of Distributed System Components based on Augmented Marked Graphs", *Journal of Computer Science and Technology*, Vol. 8, No. 1, pp. 34-40, 2008.
- **K.S. Cheung**, "Composition of Augmented Marked Graphs and Its Application to Component-Based System Design", *Information Technology and Control*, Vol. 36, No. 3, pp. 310-317, 2007.
- **K.S. Cheung**, "A Formal Method for Synthesising Components of Shared Resource Systems", *International Journal of Computer Systems Science and Engineering*, Vol. 22, No. 6, pp. 349-358, 2007.
- **K.S. Cheung**, "Boundedness and Conservativeness of Augmented Marked Graphs", *Journal of Mathematical Control and Information*, Vol. 24, No. 2, pp. 235-244, Oxford University Press, 2007.
- **K.S. Cheung**, T.Y. Cheung & K.O. Chow, "A Petri-Net-Based Synthesis Methodology for Use-Case-Driven System Design", *Journal of Systems and Software*, Vol. 79, No. 6, Elsevier, pp. 772-790, 2006.
- **K.S. Cheung**, "Refinement of Petri Net Based System Specification", *Information Technology and Control*, Vol. 35, No. 2, pp. 137-143, 2006.
- **K.S. Cheung**, "Modelling and Analysis of Manufacturing Systems Using Augmented Marked Graphs", *Information Technology and Control*, Vol. 35, No. 1, pp. 19-26, 2006.
- **K.S. Cheung**, "A Synthesis Method for Designing Shared-Resource Systems", *Computing and Informatics*, Vol. 24, No. 6, pp. 629-653, 2005.
- **K.S. Cheung** & K.O. Chow, "Cycle-Inclusion Property of Augmented Marked Graphs", *Information Processing Letters*, Vol. 94, No. 6, pp. 271-276, Elsevier, 2005.

- **K.S. Cheung**, "New Characterisation for Live and Reversible Augmented Marked Graphs", *Information Processing Letters*, Vol. 92, No. 5, pp. 239-243, Elsevier, 2004.

Journal Articles on IT in Teaching and Learning

- **K.S. Cheung**, "Technical Considerations in the Development of an Online Platform for Open Textbooks", *International Journal of Innovation and Learning*, Vol. 19, No. 4, pp. 362-376, 2016.
- **K.S. Cheung**, K.S. Yuen, K.C. Li, E. Tsang & A. Wong, "Open Textbooks : Engaging Education Stakeholders to Share Learning Resources", *International Journal of Services and Standards*, Vol. 10, No. 4, pp. 225-239, 2015.
- Y. Zhuang, L.F. Kwok & **K.S. Cheung**, "Design and Implementation of Intelligent Tutoring Systems on Mobile Devices", *International Journal of Innovation and Learning*, Vol. 18, No. 2, pp.168-184, 2015.
- **K.S. Cheung**, "A Survey on the Use of Mobile Devices for Learning Purposes", *International Journal of Innovation and Learning*, Vol. 16, No. 2, pp. 192-202, 2014.
- J. Fong, T. Au & **K.S. Cheung**, "A Case Study on Hybrid Learning with Archived Lectures and Tutorials", *International Journal of Innovation and Learning*, Vol. 13, No. 4, pp. 421-429, 2013.
- J. Lam, N. Lau, C. Shim & **K.S. Cheung**, "Design and Development Process for Blended Learning Courses", *International Journal of Innovation and Learning*, Vol. 13, No. 3, pp. 322-338, 2013.
- **K.S. Cheung**, J. Lam & J. Yau, "A Review of Functional Features of E-Learning Platform in the Continuing Education Context", *International Journal of Continuing Education and Lifelong Learning*, Vol. 2, No. 1, pp.103-116, 2009.
- **K.S. Cheung**, J.Lam, T. Im, & J. Yan., "探讨以教育学为主导之网络数字课程的发展", *继续教育期刊*, November 2008, pp. 71-73, Tsinghua University, 2008.

Book Chapters on System and Software Engineering

- **K.S. Cheung**, "Hybrid Cloud Deployment of an ERP-based Student Administration System", *Web Technologies and Applications*, Lecture Notes in Computer Science, Vol. 9313, pp.833-843, Springer, 2015.
- **K.S. Cheung**, "Component-Based System Integration using Proper Augmented Marked Graphs", *Intelligent Robotics and Applications*, Lecture Notes in Artificial Intelligence, Vol. 8917, pp. 498-509, Springer, 2014.
- **K.S. Cheung**, "Implementation of Electronic Workflow Systems in Higher Education Institutions : Issues and Challenges", *Advanced Research on Electronic Commerce, Web Application and Communication*, Communications in Computer and Information Science, Vol. 144, pp. 306-311, Springer, 2011.
- **K.S. Cheung**, "Augmented Marked Graphs and the Analysis of Shared Resource Systems", V. Kordic (Ed.), *Petri Net : Theory and Application*, pp. 377-400, I-Tech Publishing, 2008.
- **K.S. Cheung**, "Property-Preserving Composition of Distributed System Components", *Advanced Parallel Processing Technologies*, Lecture Notes in Computer Science, Vol. 4847, pp. 108-117, Springer, 2007.

- **K.S. Cheung** & K.O. Chow, "A Petri-net Based Method for Refining Object-Oriented System Specification", *Electronic Notes in Theoretical Computer Science*, Vol. 187, pp. 161-172, Elsevier, 2007.
- **K.S. Cheung** & K.O. Chow, "A Synthesis Approach to Deriving Object-Based Specifications from Object Interaction Scenarios", A.G. Nilsson et al. (Eds.), *Advances in Information Systems Development*, pp. 647-656, Springer, 2005.

Book Chapters on IT in Teaching and Learning

- **K.S. Cheung**, "Perceived Usefulness of Open Educational Resources between Full-time and Distance-learning Students", *Blended Learning : Enhancing Learning Success*, Lecture Notes in Computer Science, Vol. 10949, Springer (to appear).
- **K.S. Cheung**, "A Study on the Pattern and Trend of Students' Typical Usage of Mobile Devices in Learning Activities", *Technology in Education, Communications in Computer and Information Science*, Vol. 843, pp. 89-100, Springer, 2018.
- **K.S. Cheung**, "Distance-Learning Students' Perception on the Usefulness of Open Educational Resources", *Blended learning : New Challenges and Innovative Practices*, Lecture Notes in Computer Science, Vol. 10309, pp. 389-399, Springer, 2017.
- **K.S. Cheung**, "The Open Textbooks for Hong Kong : From Conceptualization to Implementation", *Blended Learning : Aligning Theory with Practices*, Lecture Notes in Computer Science, Vol. 9757, pp. 150-160, Springer, 2016.
- **K.S. Cheung**, "Students' Typical Usage of Mobile Devices in Learning Activities", *Technology in Education : Technology-Mediated Proactive Learning*, Communications in Computer and Information Science, Vol. 559, pp. 63-72, Springer, 2015.
- Joseph Fong, T.Y. Ku & **K.S. Cheung**, "A Study on the Development of an XML-Based E-Book Authoring System", *Hybrid Learning : Innovation in Educational Practices*, Lecture Notes in Computer Science, Vol. 9167, pp. 255-266, 2015.
- **K.S. Cheung**, "A Case Study on the Students' Attitude and Acceptance of Mobile Learning", *Technology in Education : Transforming Educational Practices with Technology*, Communications in Computer and Information Science, Vol. 494, pp. 45-54, Springer, 2014.
- **K.S. Cheung**, K.W. Lee & K.L. Chan, "A Review on the Development of an Online Platform for Open Textbooks", *Hybrid Learning : Theory and Practice*, Lecture Notes in Computer Science, Vol. 8595, pp. 196-207, Springer, 2014.
- **K.S. Cheung**, K.C. Li & K.S. Yuen, "An Overview of Open Education Resources for Higher Education", *Knowledge Sharing Through Technology*, Communications in Computer and Information Science, Vol. 407, pp. 26-34, Springer, 2013.
- K.C. Li, K.S. Yuen & **K.S. Cheung**, "Open Education Resources in Hong Kong", *Knowledge Sharing Through Technology*, Communications in Computer and Information Science, Vol. 407, pp. 26-34, Springer, 2013.
- E.Y.M. Tsang, K.S. Yuen, K.C. Li & **K.S. Cheung**, "Designing Open Textbooks for Effective Teaching and Learning", *Knowledge Sharing Through Technology*, Communications in Computer and Information Science, Vol. 407, pp. 43-55, Springer, 2013.

- Y. Zhuang, L.F. Kwok & **K.S. Cheung**, "A Case Review on the Implementation of Intelligent Tutoring Systems on Mobile Devices", *Hybrid Learning and Continuing Education*, Lecture Notes in Computer Science, Vol. 8038, pp. 21-32, Springer, 2013.
- K.C. Li & **K.S. Cheung**, "How Hybrid is Referred, Inferred and Preferred?", *Hybrid Learning and Continuing Education*, Lecture Notes in Computer Science, Vol. 8038, pp. 345-355, Springer, 2013.
- **K.S. Cheung**, "A Study on the Use of Mobile Devices for Distance Learning", *Hybrid Learning*, Lecture Notes in Computer Science, Vol. 7411, pp. 89-98, Springer, 2012.
- **K.S. Cheung**, K.S. Yuen, K.C. Li, E. Tsang & A. Wong, "Open Access Textbooks : Opportunities and Challenges", *Enhancing Learning Through Technology*, Communications in Computer and Information Science, Vol. 302, pp. 201-210, Springer, 2012.
- K.C. Li, E. Tsang, **K.S. Cheung** & K.S. Yuen, "eVolution from Conventional Textbooks to Open Textbooks : A Way Out for Hong Kong", *Enhancing Learning through Technology*, Communications in Computer and Information Science, Vol. 302, pp. 211-226, Springer, 2012.
- K.S. Yuen, L. Chow, **K.S. Cheung**, K.C. Li & E. Tsang, "Overcoming Copyright Hurdles in the Development of Learning Materials in the Digital Era", *Enhancing Learning Through Technology*, Communications in Computer and Information Science, Vol. 302, pp. 190-200, Springer, 2012.
- J. Fong, T. Au & **K.S. Cheung**, "YouLearn Portal : Hybrid Learning with Archived Lectures and Tutorials", *Hybrid Learning and Education*, Lecture Notes in Computer Science, Vol. 6837, pp. 289-297, Springer, 2011.
- J. Fong, L.F. Kwok & **K.S. Cheung**, "Data Modeling Technique Made Easy with Hybrid Learning Computer Aided Instruction", *Hybrid Learning and Education*, Lecture Notes in Computer Science, Vol. 6837, pp. 345-356, Springer, 2011.
- J. Lam, J. Yau & **K.S. Cheung**, "A Review of Mobile Learning in the Mobile Age", *Hybrid Learning and Education*, Lecture Notes in Computer Science, Vol. 6248, pp. 306-315, Springer, 2010.
- J. Lam, **K.S. Cheung**, N. Lau & J. Yau, "The Use of Virtual Classroom in Library and Information Management Courses", *Hybrid Learning and Education*, Lecture Notes in Computer Science, Vol. 6248, pp. 352-361, Springer, 2010.
- J. Yau, J. Lam & **K.S. Cheung**, "A Review of E-Learning Platforms in the Age of E-Learning 2.0", *Hybrid Learning and Education*, Lecture Notes in Computer Science, Vol. 5685, pp. 208-217, Springer, 2009.
- J. Lam, N. Lau, F.K. Yau & **K.S. Cheung**, "A Survey on the Readiness in Adopting E-Learning among Teachers and Students", J. Fong et al. (Eds.), *Hybrid Learning : The New Frontier*, pp. 143-158, City University of Hong Kong Press, 2009.
- K.O. Chow & **K.S. Cheung**, "A Study of Tag Cloud Quality in e-Learning 2.0", P. Tsang et al. (Eds.), *Enhancing Learning Through Technology*, pp. 63-80, World Scientific, 2008.
- K.O. Chow & **K.S. Cheung**, "A Hybrid Approach to Improve Student Navigation of Learning Materials in a Web 2.0 Environment", J. Fong et al. (Eds.), *Hybrid Learning : A New Frontier*, pp. 89-97, City University of Hong Kong Press, 2008.

- **K.S. Cheung**, "A Comparison of WebCT, Blackboard and Moodle for the Teaching and Learning of Continuing Education Courses", P. Tsang et al. (Eds.), *Enhancing Learning Through Technology*, pp. 219-228, World Scientific, 2006.
- A.Y.K. Chan, K.O. Chow & **K.S. Cheung**, "Student Participation Index : Student Assessment in Online Courses", *Advances in Web-Based Learning*, Lecture Notes in Computer Science, Vol. 3143, pp. 449-456, Springer, 2004.

IEEE Conference Papers on System and Software Engineering

- **K.S. Cheung**, "An Algorithm for Eliminating Duplicate Labels of a Labelled Petri Net", *Proceedings of the International Colloquium on Computing, Communication, Control and Management*, pp. 74-78, IEEE, 2008.
- **K.S. Cheung**, "Composition of Augmented Marked Graphs and Its Application to System Integration", *Proceedings of the International Colloquium on Computing, Communication, Control and Management*, pp. 79-83, IEEE, 2008.
- **K.S. Cheung** & K.O. Chow, "Compositional Synthesis of Augmented Marked Graphs", *Proceedings of the IEEE International Conference on Control and Automation*, pp. 2810-2814, IEEE, 2007.
- **K.S. Cheung** & K.O. Chow, "Compositional Synthesis of Augmented Marked Graphs for Manufacturing System Integration", *Proceedings of the IEEE International Conference on Integration Technology*, pp. 287-292, IEEE, 2007.
- **K.S. Cheung** & K.O. Chow, "Analysis of Capacity Overflow for Manufacturing Systems", *Proceedings of the IEEE Conference on Automation Science and Engineering*, pp. 331-335, IEEE, 2006.
- **K.S. Cheung** & K.O. Chow, "Process-Based Design Verification for Systems Involving Shared Resources", *Proceedings of the Asia-Pacific Services Computing Conference*, pp. 99-106, IEEE, 2006.
- **K.S. Cheung** & K.O. Chow, "Analysis of Manufacturing Systems Based on Augmented Marked Graphs", *Proceedings of the International Conference on Computational Intelligence for Modelling, Control and Automation*, Vol. 2, pp. 847-851, IEEE, 2005.
- **K.S. Cheung** & K.O. Chow, "Elimination of Duplicate Labels in Petri-Net-Based System Specification", *Proceedings of the International Conference on Computer and Information Technology*, pp. 932-936, IEEE, 2005.

IEEE Conference Papers on IT in Teaching and Learning

- **K.S. Cheung**, K.S. Yuen & E. Tsang, "A Study on the Readiness of Mobile Learning in Open Education", *Proceedings of the International Symposium on IT in Medicine and Education*, pp. 133-136, IEEE, 2011.
- **K.S. Cheung**, J. Lam, N. Lau & C. Shim., "Instructional Design Practice for Blended Learning", *Proceedings of the International Conference on Computational Intelligence and Software Engineering*, IEEE, 2010.
- **K.S. Cheung** & J. Lam, "A Framework for Developing E-Learning Solutions", *Proceedings of the International Conference on Semantics, Knowledge and Grid*, pp. 294-297, IEEE, 2009.

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