

2-page Curriculum Vitae of Professor Frederick K.S. Leung

Particulars

Professor in mathematics education and Chairman of the Board of Faculty of Education

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Education Ph.D. (Mathematics Education, University of London); M.Ed. (Testing, Measurement and Evaluation, HKU); Adv.Dip.Ed. (Testing, Measurement and Evaluation, HKU); Cert.Ed. (Mathematics Education, HKU); B.Sc. (Mathematics, HKU)

Experience

Supervision Ph.D. students (4 awarded degree and 3 on-going) and Ed.D. student (one on-going) at HKU

Consultancy

1. 2 - 19 November 1995 UNESCO project (CPR/91/420) on Basic Education in China
2. 15-20 December 1996 World Bank Loan project on Educational Development in Poor Provinces in China
3. 23-28 February 1997 World Bank project on the Effectiveness of Teacher Education Programmes in Teacher Education Institutions in China
4. 13-14 July 2000 UNDP project (CPR/96/401/B/01/99) on Improving 9-Year Compulsory Education in Poor Areas Focusing on Girl Students

International Committee Member at Large of the Executive Committee of the International Commission on Mathematical Instruction (ICMI), January 2003 to December 2006.

Fellowships Fulbright Scholar, March to August 2003, UCLA
Universitat-21 Fellow, September to December 2002, University of Melbourne

Honorary Professorship Beijing Normal University, China (since 3/1997)
Southwest China University, China (since 4/2005)

Publications (since 2001)

1. "The Traditional Chinese Views on Mathematics and Education: Implications for Mathematics Education in the New Millennium", *Journal of Mathematics Education (數學教育學報)*, Vol.10, No.3, 5-7, August 2001.
2. "Teachers' Attitudes towards Mathematics Teaching in Beijing, Hong Kong and London", *Shuxue Tongbao (數學通報)*, No. 8, 2-4, August 2001.
3. "In Search of an East Asian Identity in Mathematics Education", *Educational Studies in Mathematics*, 47, 35-52, 2001.
4. "Students' Views of Mathematics Learning: A cross-sectional survey in Hong Kong", *Education Journal*, 29(2), 37-59, 2001. (with Wong, N.Y., Lam C.C., Wong, K.M.P. & Mok, I.A.C.)
5. "Behind the High Achievement of East Asian Students", *Educational Research and Evaluation*, Vol. 8, No. 1, 87-108, 2002.
6. *Secondary Analysis of the TIMSS-R data for Hong Kong*, Hong Kong: TIMSS Center, 2002. (with Yung, B.H.W. and Tso, A.S.F.)
7. "Competent Students, Competent Teachers?", *International Journal of Educational Research*, 37, 113-119, 2002. (with Park, K.)
8. "A Comparison of the Mathematics Textbooks in China, Hong Kong, Japan, Korea, United Kingdom, and the United States", *Pre-conference Proceedings, ICMI comparative Study Conference*, Hong Kong, October 2002. (with Park, K.)
9. "How Do Hong Kong Students Think About the Mathematics Curriculum and Teaching", *EduMath*, 15, 2-16, 2002. (with Wong, N.Y., Lam, C.C., Wong, K.M.P. & Mok, I.A.C.)

10. "How Pythagoras' theorem is taught in Czech Republic, Hong Kong and Shanghai: A case study", *International Reviews on Mathematical Education*, Vol. 34, No. 6, Dec 2002. (with Huang, R.)
11. "Factors Contributing to East Asian Students' High Achievement in Mathematics: The Case of Korea", in *TIMSS and Comparative Studies in Mathematics Education*, Singapore: The Association of Mathematics educators, 7-19, 2003. (with Park, K.)
12. *Second International Handbook on Mathematics Education*, Dordrecht: Kluwer Academic Publishers, March 2003. (ed., with Bishop, A.J.; Clements, M.A.; Keitel, C. and Kilpatrick, J.)
13. "How Do Hong Kong Students Think About Mathematics", *EduMath*, 16, 7-21, 2003. (with Wong, N.Y., Lam, C.C., Wong, K.M.P. & Mok, I.A.C.)
14. "Issues Concerning Teacher Education in the East Asian Region", *Asia-Pacific Journal of Teacher Education and Development*. Vol. 6, No. 2, 5-21, December, 2003.
15. *Exploring Mathematics*, Hong Kong: Oxford University Press, 2004. (with Chu, W.M. and Luk, M.L.)
16. "Identifying a Pattern of Teaching: An analysis of a Shanghai teacher's lessons", book chapter in Fan, L., Wong, N., Cai, J. and Li, S. (eds.), *How Chinese Learn Mathematics: Perspectives from Insiders*. New Jersey: World Scientific, 2004. (with Lopez-Real, F.J., Mok, I.A.C. & Marton, F.)
17. "Cracking the Paradox of the Chinese Learners — Looking into the mathematics classrooms in Hong Kong and Shanghai", book chapter in Fan, L., Wong, N., Cai, J. and Li, S. (eds.), *How Chinese Learn Mathematics: Perspectives from Insiders*. New Jersey: World Scientific, 2004. (with Huang, R.)
18. "The Implications of the Third International Mathematics and Science Study for Mathematics Curriculum Reform in Chinese Communities", book chapter in Wong, N.Y. (ed.), *Revisiting Mathematics Education in Hong Kong for the New Millennium*: Hong Kong: Hong Kong Association for Mathematics Education: 226-253, 2005.
19. "Building a Coherent and Progressive Lesson by Adopting Teaching with Variation: A case study of a Shanghai lesson", book chapter in Wong, N.Y. (ed.), *Revisiting Mathematics Education in Hong Kong for the New Millennium*: Hong Kong: Hong Kong Association for Mathematics Education: 282-305, 2005. (with Huang, R.)
20. "Architectures of Mathematics Beliefs: Individual and school-level differences among Hong Kong primary 6 students", *Educational Research Journal*, Volume 20 Number 1, summer 2005. (with Chiu, M.M., Wong, N.Y., Lam, C.C., Wong, P.K.M., and Mok, I.A.C.)
21. "Is Mathematics Teaching in East Asia Conducive to Creativity Development? – Results from the TIMSS 1999 Video Study and the Learners' Perspective Study", *Research in Mathematical Education*, vol. 9, no. 3 (issue 23), September 2005. (with Park, K.)
22. "Deconstructing Teacher-Centeredness and Student-Centeredness Dichotomy: A Case Study of a Shanghai Mathematics Lesson", *The Mathematics Educator*, Vol. 15, No. 2, 35-41, 2005. (with Huang, R.)
23. "Digging Below the Surface: Secondary Analysis of TIMSS Data for Hong Kong and Its Implications for Educational Reform", *Canadian Journal of Science, Mathematics and Technology Education*, vol. 5, no. 3, July 2005. (with Yung, B.H.W. and Tso, A.S.F.)
24. "Some Characteristics of East Asian Mathematics Classrooms Based on Data from the TIMSS 1999 Video Study", *Educational Studies in Mathematics*, Vol. 60, No. 2, 199-215, 2005.
25. *Mathematics Education in Different Cultural Traditions: A Comparative Study of East Asia and the West*, (ed, with Graf, K.D. and Lopez-Real, F.J.), The 13th ICMI Study, New York: Springer, 2006.
26. "Mathematics Education in East Asia and the West: Does Culture Matter?", book chapter in Leung, Graf and Lopez-Real (eds.), *Mathematics Education in Different Cultural Traditions: A Comparative Study of East Asia and the West*, The 13th ICMI Study, New York: Springer, 21-46, 2006.
27. "A Comparison of the Mathematics Textbooks in China, Hong Kong, Japan, Korea, United Kingdom, and the United States?", book chapter in Leung, Graf and Lopez-Real (eds.), *Mathematics Education in Different Cultural Traditions: A Comparative Study of East Asia and the West*, The 13th ICMI Study, New York: Springer, 227-238, 2006. (with Park, K.)
28. "The Impact of ICT Tools on Our Understanding of the Nature of Mathematics", *For the Learning of Mathematics*, Vol. 26, number 1, 29-35, 2006.