This list is prepared once a year for the benefit of College Librarians and those purchasing course books for M.Phil students. As such it aims to list the most recently available editions of current course books. However, this list should be used in conjunction with those in the syllabus booklets, which give more information on the suitability of titles for each course. There is also a considerable overlap with the undergraduate reading lists.

Journal and conference papers are included in this list for the sake of completeness only. Most will be available online, or within the Computer Laboratory Library, and it is not expected that volumes of proceedings should be purchased for the sake of a single paper.

The syllabi for M.Phil modules can be found at:
http://www.cl.cam.ac.uk/teaching/1516/acs.html

The Computer Laboratory Library aims to keep at least one copy of each of the books in this list. Similarly, any journal or conference papers should be available within the University, possibly electronically.

Nicholas Cutler (Librarian)
ncc25@cam.ac.uk


Bhatotia, P., et al. (2011) “Incoop: MapReduce for incremental computation”. In *Proceedings of SoCC* 2011.


Gregg, B. (2013) *Systems Performance: Enterprise and the Cloud*. Prentice Hall.


Griffin, T.G. & Gurney, A. (2008). “Increasing Bisemigroups and Algebraic Routing”. In *Proceedings of RelMiCS 2008*.


Gurney, A. & Griffin, T.G. (2007). “Lexicographic Products in Metarouting”. In *Proceedings of ICNP 2007*.


James, G., Witten, D., Hastie, T. & Tibshirani, R. (2014). *An Introduction to Statistical Learning with Applications in R*. Springer.

Jung & Tiuryn (1993). “A new characterization of lambda definability”. In Proceedings of TLCA 1993, pp. 245-257.

Jurański, D. & Martin, J. (2008). *Speech and language processing*. Prentice Hall.


Krishnamurthy, B. & Rexford, J. (2001). *Web protocols and practice: HTTP/1.1, networking protocols, caching, and traffic measurement*. Addison-Wesley.

Kyrola, A and Blelloch, G. (2012). *Graphchi: Large-scale graph computation on just a PC*. OSDI.

Lambek, J. and Scott, P. J. (1986). *Introduction to higher order categorical logic*. Cambridge University Press.


Lipianski, E. (2011). *Embedded systems hardware for software engineers*. McGraw-Hill.

Malewicz, G., et al. (2010). “Pregel: A System for Large-Scale Graph Processing”. In Proceedings of SIGMOD 2010, pp. 135-146.

McKusick, M.K., Neville-Neil, G.V., and Watson, R.N.M. (2014). *The Design and implementation of the FreeBSD operating system*. (2nd ed.). Pearson Education.


Staton, S. (2013) “Instances of computational effects: An algebraic perspective”. In *Proceedings of LICS* 2013, pp. 519-528.


