UNIVERSITY OF CAMBRIDGE COMPUTER LABORATORY

M.Phil in Advanced Computer Science

Summary List of Recommended Readings

October 2022

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 syllabus, which gives 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 in other Cambridge libraries, 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:
https://www.cl.cam.ac.uk/teaching/2223/acs.html

The West Hub 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.

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Ansel, J., et. al. (2014). “OpenTuner: an extensible framework for program autotuning”. In Proceedings of PACT 2014, pp. 303-316.


Bacon, J. & Harris, T. (2003). Operating systems. Addison-Wesley (3rd ed.).


Dean, J., et. al. (2012). “Large scale distributed deep networks”. In *Proceedings of Neural information processing systems 2012*.


Pitts, A.M. (2000). “Categorical Logic”. In S. Abramsky, D.M. Gabbay and T.S.E. Maibaum (eds.) *Handbook of logic in computer science*, Volume 5. Oxford University Press.


