Books on Reserve for COMP 648 Algorithmic Motion Planning
Fall 2005-06
Schulich Library

- Computational Geometry Algorithms and Applications. M. de Berg, M. van Kreveld, M. Overmars, O. Schwarzkopf. Springer (Berlin, NY), ISBN 3-540-61270-X, c 1997. call number QA448 D38 C65 2000 (see Ch. 7 Voronoi Diagrams, Ch. 11 Convex Hulls, Ch. 13 Robot Motion Planning, Ch. 15 Visibility Graphs)

- Algorithmic Foundations of Robotics. Edited by Ken Goldberg, Dan Halperin, Jean-Claude Latombe, and Randall Wilson. A.K. Peters, Wellesley MA, c 1995, ISBN 1-56881-045-8

- Robotics, the Algorithmic Perspective, The Third Workshop on the Algorithmic Foundations of Robotics (WAFR 1998). Edited by Pankaj K. Agarwal, Lydia Kavraki, and Matthew Mason. A.K. Peters, Natick MA, c 1998, ISBN1-56881-081-4

- New Directions in Algorithmic and Computational Robotics (WAFR 2000). Edited by Bruce Donald, Kevin Lynch, and Daniela Rus. A. K. Peters, Boston, c 2001. ISBN 1-56881-125-X

- Motion Planning in Dynamic Environments. Kikuo Fujimura. Springer Tokyo and New York, c. 1991.

- Robot Motion Planning. Jean-Claude Latombe. Kluwer Academic, Boston, c 1991, ISBN 0-7923-9129-2 call number TJ211.4 L38 1991

- Combinatorial Rigidity. Jack Graver, Brigitte Servatius, and Herman Servatius. American Mathematical Society, Graduate Studies in Mathematics, vol. 2. c 1993, ISBN 0-8218-3801-6

- Algorithmic Geometry. Jean-Daniel Boissonnat and Mariette Yvinec. Cambridge U. Press, c. 1998, ISBN 0 521 56322 4 (hardback) ISBN 0 521 56529 4 (paperback)

- Planning Algorithms. Steven M. LaValle. To be published by Cambridge U. Press in 2006, but for now, it is available *for free download* at http://msl.cs.uiuc.edu/planning/ See especially Part II Motion Planning.