

### **Chapters in Books (refereed):**

1. Potter, W.D., W. Bi, D. Twardus, H. Thistle, M.J. Twery, J. Ghent, and M. Teske, "Handling the Back Calculation Problem In Aerial Spray Models Using the Genetic Algorithm," book chapter invited for inclusion in *Practical Applications of Soft Computing Techniques*, DeWilde and Jain, eds., Kluwer Publishing Co., to appear Fall 2000.

### **Refereed Conference Proceedings:**

#### *INTERNATIONAL CONFERENCES*

1. Bi, W., W. D. Potter, D. Twardus, H. Thistle, M.J. Twery, J. Ghent, and M. Teske, "Aerial Spray Optimization," *Proceedings of the International Conference on Artificial Intelligence*, ICAI'2000, pp. 473-480, Las Vegas, June, 2000.
2. Potter, W.D., W. Bi, D. Twardus, H. Thistle, M.J. Twery, J. Ghent, and M. Teske, "A Genetic Algorithm For Aerial Spray Application Optimization," *2000 ASAE Annual International Meeting*, ASAE'2000 paper no: 001053, 20 pages, Milwaukee, Wisconsin, July, 2000.
3. Potter, W.D., W. Bi, D. Twardus, H. Thistle, M.J. Twery, J. Ghent, and M. Teske, "Aerial Spray Management Using the Genetic Algorithm", *Proceedings of the 13th Int. Conf. On Industrial & Engineering Applications of Artificial Intelligence and Expert Systems*, IEA/AIE'2000, pp. 210-219, New Orleans, June 2000. **Best Paper Award.**
4. Potter, W.D., W. Bi, D. Twardus, H. Thistle, M.J. Twery, J. Ghent, and M. Teske, "Intelligent Decision Support for Aerial Spray Deposition Management", *AAAI 1999 Workshop on Environmental Decision Support Systems and Artificial Intelligence*, pp. 23-29, July 18, 1999, Orlando, Florida.

### **Works submitted but not yet accepted:**

1. Potter, W.D., W. Bi, D. Twardus, H. Thistle, M.J. Twery, J. Ghent, and M. Teske, "SAGA: The Aerial Spray Advisor Genetic Algorithm," *Computer-Aided Civil and Infrastructure Engineering*, special issue on Artificial Intelligence in Environmental Engineering, M. Sanchez-Marre and U. Cortes, eds.
2. Thistle, H., M. Teske, W. Potter, D. Twardus, "The Use of Genetic and Amoeba Algorithms in Combination With A Lagrangian Solver to Simulate Dispersion and Deposition of Droplets in Aircraft Wakes", 4/00, *NAFEMS'2000*.