

### Publications - Mark Foy

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( Latest publication list available at my URL: <http://www.vitalita.com/staff/mfoy.html> )

Foy, M., M. Marchese, and G. Jacucci (1999). Engineering Plasma Spray Films by Knowledge Based Simulation. In: A. Baskin, G. Kovács, and G. Jacucci (Editors), *Cooperative Knowledge Processing for Engineering Design*, IFIP Conference Proceedings 137, ISBN 0-412-83750-1, Kluwer Academic Publishers, pp. 289-305. {Reference to Book and Contents} {Buy book at Amazon.com}

Jacucci, G., M. Foy, and C. Uhrík (1996). Developing Transportable Agricultural Decision Support Systems: Part 1 - A Conceptual Framework. *Computers and Electronics in Agriculture*, 14/4 (1996), Elsevier, Amsterdam, pp. 291-300. {Abstract in PDF} {Abstract on Web} {Scan of Entire Paper in PDF}

Jacucci, G., M. Foy, and C. Uhrík (1996). Developing Transportable Agricultural Decision Support Systems: Part 2 - An Example. *Computers and Electronics in Agriculture*, 14/4 (1996), Elsevier, Amsterdam, pp. 301-315. {Abstract in PDF} {Abstract on Web} {Scan of Entire Paper in PDF}

Jacucci, G., M. Foy, and C. Uhrík (1995). An Artificial Intelligence (AI) Methodology for the Adaptation of Agricultural Models. *Engineering Applications of Artificial Intelligence*, Pergamon Press Ltd. Oxford, UK. {Under Consideration for Publication} {Presented at The Second IFAC/IFIP/EurAgEng Workshop on Artificial Intelligence in Agriculture, Wageningen, The Netherlands, 29-31 May 1995 - Proc. pp. 143-148.} {Entire Paper in PDF}

Jacucci, G., M. Foy, and C. Uhrík (1995). A SYBIL DSS: A Transportable Computerized Decision Support System For Plant Protection. In: *Proc. of the 1995 Annual Conference of the Associazione Italiana per L'Informatica ed il Calcolo Automatico (AICA'95)*, Cagliari, Italy, 27-29 Sept. 1995. {Scan of Entire Paper in PDF}

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Foy, M. and C. Uhrík (1993). Exploiting Domain Knowledge, Neural Networks and Genetic Algorithms to Harvest Traffic Simulation Results. In: I. Mezgár and P. Bertók (Editors), *Knowledge Based Hybrid System*, Proceedings of the IFIP TC5/WG5.3/IFAC International Working Conference on Knowledge Based Hybrid Systems in Engineering and Manufacturing, KNOWHSEM '93, Budapest, Hungary, 20-22 April, 1993, ISBN 0-444-81484-1. IFIP Transactions, North-Holland, pp. 119-130. {Reference to Book and Contents} {Buy book at Amazon.com} {Scan of Entire Paper in PDF}

Foy, M., R. F. Benekohal, and D. E. Goldberg (1992). Signal Timing Determination Using Genetic Algorithms. *Transportation Research Record*, No 1365: Highway Capacity and Traffic Flow, National Academy Press, pp. 108-115. {Buy book at Amazon.com} {Scan of Entire Paper in PDF}

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**\*\*Data Link** is NCSA's technical newsletter. NCSA is the National Center for Supercomputing Applications at the University of Illinois at Urbana-Champaign.