A Bigger Learning Classifier Systems
Bibliography

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Abstract. With over 600 entries, this is by far the most comprehensive bibliography of the machine learning systems introduced by John Holland.

1 Introduction

In 1999 the authors compiled a Learning Classifier Systems (LCS) bibliography\textsuperscript{[343]} of 467 entries, the largest of its kind. Since then the bibliography has grown to 610 entries, largely thanks to many small contributions by numerous individuals. Further contributions (and corrections) are solicited and can be sent by email to the first author.

Learning classifier systems have a long and rich history. We hope this bibliography will both illustrate this point and prove a useful resource for researchers. Although the first classifier system, CS-1, was reported in 1978\textsuperscript{[293]}, the development of LCS was foreshadowed by some of Holland’s earlier work\textsuperscript{[277,278,279]} dating back as far as 1971. In the early 80’s much progress was in the form of PhD theses\textsuperscript{[512,49,238,461,213]} (but see also\textsuperscript{[588,589]}), following which LCS papers began to appear steadily in conferences. Later landmarks include the publication of books by Holland in 1986\textsuperscript{[291]} and Goldberg in 1989\textsuperscript{[241]}, and the first, second and third International Workshops on LCS (IWLCS), in 1992, 1999 and 2000 respectively.

As the bibliography shows, LCS papers appear in a wide range of conferences and journals. The following table shows the distribution of entries by type as of November 7, 2000. (The conference papers category includes 1-page poster papers.)
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Acknowledgements. We are grateful to Alwyn Barry for the contribution of his large LCS bibliography to ours, and to the many other individuals who have contributed.

References